aatggaaaga caatttacgc ggatacatca tgcattgtac cggggtacaa ggtattactt 360

ccccgtttcc ttgacaccga aaanggtgag gtgactggtt gacgataatc cgtgtttgga 420

cccgttgtan aagcaaggtt tttccctcca agctcc 456

<210> 2111
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-H8

<400> 2111

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ttacttctga gcaagacaag aaataagaag atattgagcg attatgattc gcgcagctgc 120

caaattctcc angagaagca gcggcaacga ttcgtggccg cacgatctcc gttagaggaa 180

accttattcg atactcgacg ccattgagat tgattcacgg tgaaatcagc gttccaaacg 240

cgaatcatgt tgctattcag atggttaatt acgctctttc tcacgctagg tcacaaaaat 300

cagatgaatc ttatgctcaa gggatgctag tgcttgagca gtgtcttggg aatcaaccta 360

acgatgatca ggtttctcat gantctaaaa gcaacagtct tgctttgcca atgtctgatc 420

nttttatacg aaagtgggaa tagtagttga gggcaattga acgccttaag caagtccatg 480

aatcctggac acaact 496

<210> 2112
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-H9

<400> 2112

aggaggatgt ctcgttcggc gacttgacct ctctctctct ctctctttta ccttcattgt 60

tcactgtttc cagacattga aagaaagatc attagtttct gaggggataa ccatttttt 120

ttcttcttaa aaagtttttt tttttgtcaa ttggtcttct tcttcctcat ccgctcgctt 180

atatttaatt taataataat aaaaatcggt gttcattttt atataaaagt ataaattttg 240

tgtttggttg atccatccgt agtcgtagta gatctacaag ctctgaaatt ccacgcccac 300

atctcctccg tcctcttgag atccttctct tcattcattt tcttgctcaa cttgagttgc 360

ttccaacatc ttgcaagatt gtcctttgan gttcattcag ggtcttgaaa aa 412

<210> 2113
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-A2

<400> 2113

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ttagtaaaga tgagaactca ccattgaaag ctacagactt tggtctctct gtcttcttca 120

agccaggtga taagtttaag gatcttgttg gaagtgcata ctatgttgcc ccagaagttc 180

taaaacggaa ctatggacca gaggctgata tctggagtgc tggtgtgatt ctatacatcc 240

ttctcagtgg tgttccgcct ttctggggag aaaatgaaac ggggatcttt gatgccattc 300

ttcaagggca acttgatttt tcagctgatc catggccagc actatcagat gggtgccaaa 360

gatcttgtga gggaaaatgt taaaatatga ncctaaagat cggcttacaa gctgcgggaa 420

gtgctaaatc atcccgttgg attag 445

<210> 2114
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-A3

<400> 2114

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tgctacggtt agtctaggat gggtaatcca gacgagtaat agatctttcc tggactcctt 180

ggccttggcc tgcaaagaca gagaagatta ccgcaatact actaacttgg aaagaaagtg 240

tacatgccgg cagnatcact atatctgaga caagtttatg caaactgtgg gtncacctat 300

gggttacaca nggttancca tatgntttga acngatgcca nagatattga tgaatgtaaa 360

agtcnaattc cnagtncggn ggaaagacag aaacntgngt gaaatttnga agganggcta 420

atccctgccn tgcgc 435

<210> 2115
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-061-Q1-E2-A4

<400> 2115

ctgttacgtt tgccggnccc ggtccanaat taccgggtcg acccacgcgt ccgggaaaaa 60

aaggacgttc ttaaggagaa agattctggg aaggaagaat ctccgtcacc accggcggat 120

tcttcggctc cggcggcgga gaagaaagct gaagacaccg gtggagctgt ccctgataat 180

ggcaaagttg gtaaaaagag aaaaagaaag ggcaaagttt ggctactact aacaatccta 240

ccgatggacc tgcccgtact caatcacttc ctccgcccac tgcaacagat tatgaccgtc 300

caattaatca gatcaacgac caccatataa caaccactaa taatccgcca cgtcacgatc 360

tgtatcctta tcctgcacaa ggctattatg cgccgcaagt catgtatggc gtaagttata 420

acgttgctca anctccgggt gagtgtagac gctgcgtcng tattaataca cctccaccac 480

cgtattccgt 490

<210> 2116
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-F7

<400> 2116

aaatcttcat cgacaaaatt cgattcagct gctgcagcta ttcacttcgt ccatagcacg 60

tanatggcag aaaaggcctg tatanaacgt cttcaaaagg aatatanagc actttgcaag 120

gaaccagtct cccatgttgt tgctcgtcct tccccaaatg acattctcga gtggcattat 180

gtgctggaag gcagtgaggg aacacctttt gcaggtggat tttactatgg aaagatcaag 240

tttcctcncg agtatcctta caagccacca gggattacaa tgactacacc aaatggtcga 300

ttcatgacac agaagaaaat ttgtttatct atgantgatt ttcatccaga aagctggaat 360

cccgatgtgg tccgtatcaa gcatacttac aggaactccn ccaattaagn atgggtacaa 420

gtcccg 426

<210> 2117
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-C3

<400> 2117

ggaagagctg aaagattcgc gacgaagcaa aacgacagtg ttatctatcg ccgccttgtt 60

gttctgttta acaagtgtag aggaaccaaa gttgaaaact ttgaacttcc cattgatttt 120

aatgttaatt actgatcatt cgaatctgaa attgaagcat atgagtgctt aatctgtgag 180

tgttagaaga agtagaagaa gatgcagagg gttagggttt catctcaaag agcagttgtg 240

cataagcttg gtgattctca gatgacatta tctcccaaat ttagagtagc tgcatcgata 300

caatcgacat tgttcgatag atcatcggaa ttagaactgt ctcttagagg agagcccttg 360

attcccggtt taccagacga tgttgcgctt aactggtcct ttacggggtt ccaattcaaa 420

gncatgtt 428

<210> 2118
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-C9

<400> 2118

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ctctcattga agatgcagag tcatcatcat cttccggttc atctgttggt ccatctgcct 120

cagacacatt anctgcaaag ctactaggag ccgctgataa atacaagttg cctagattaa 180

gtctaatgtg cgagtcagtg ctctgcaagg atatatcagt agattccgtt gcaaatattt 240

tggcgcttgc tgaccgttac aatgcttccg ccttgaaatc cgtttgtctg aaattcgcag 300

cagaaaatct catcgctgtt atgaggtcag atgggtttga ttatctaagg gaacactgcc 360

cgtcacttca gtctgagctt ctgaaaacag ttgccgggtt nccaaaaagg 410

<210> 2119
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-D10

<400> 2119

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aaatcaagag gccagatacc gtctatactc ctcttgttcc atcacagtga gttctcaatc 120

tttctattat acatttaaac tcttatcaca ttacgtaaag agaagcacan gtagattttg 180

gggtacttaa catcatgatg aatcagactt caatgttagg gtaggattcc tanatttatt 240

tttgtataag acaaggaggt agatccaggg tttaactgat gattatgaaa gtcatttaca 300

cagatataaa tgcnagagtt gttacaatat ctgctanatc attctgcttg tangaatcat 360

atgatccang aantagacat tttggaccct 390

<210> 2120
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-D9

<400> 2120

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aaaacaaagg aggagttact gcatggcagt gtcagtgaaa ttaccaggcg gtattatgaa 120

ttagctgctg atgttgttag cgtggcaaga aaaacacagt catcgcttca gaaattgcgt 180

caaaatgcac agagacgagg aggtgcagca tcaggtgttt ctgatcaaaa tgtatctgaa 240

acagacaaga tgtgtatgca gttgttcctt gatattcagg agtatggccg aaacgtttct 300

gctttggggc tgaaaccggc ggatattccg gagtactgtt ccttctggca atgcgttgca 360

Docket No. 0500-1050-PCT

cctgcngata ggcaaaactc aattaagtgt ttgangacgc tcgcttccaa ac 412

<210> 2121
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-E1

<400> 2121

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aaaatggtga agtttacagc tgatgagctt cgaaggatta tggactacaa acacaacatc 120

cgtaatatgt ctgttattgc tcatgtcgac cacgggaaat ccactcttac tgattctttg 180

gttgctgctg ctggtatcat tgcccaagag gttgctggtg atgttcgtat gactgatacc 240

anagctgatg angctgaacg tggtatcacn atcaagtcca ctggtanttc tctctactan 300

gagatgactg atgaatcctt gangagtttc actggagcca naagaccgaa gacccagtac 360

cccatcaatc ttaantgatc acctgggcca cgtngacttt tctttctgaa ggttactgcn 420

ggctcccccg ta 432

<210> 2122
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-E11

<400> 2122

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gaggtgtagc agacggagga gaatctgata ccgacgagga tttgcgcgac aacgatgatg 180

ttgttatgcc gggaacgaac gaagctgaag ctgaagacga cgatcccgaa gaggaagatc 240

tcaattctcc gtctacatca tcactcccca tggtttctac gatctcagcg actgctgttg 300

tttccgggac cccgacggcg acttcctcta caggcgccgt gaccgttgca cttccggctg 360

ggatncgccg tccctgtctc cgtgattccc gtttgattcc gattcgaaat tggga 415

<210> 2123
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-E2

<400> 2123

aaaaaggaac catcaaagag gaagccaaga aaaaaaaacg tcggtgatga gaggaggggc 60

tttgttatgc ggacaagtcc aagatgagat tgaacagctt tcgagagaga gtagtcattt 120

tagtctttct actggaattt taccttcact tggtgcaaga agtaatcgac gagttaagct 180

taggagattc gttgtatctc cttatgatca caaatacagg atatgggagg ctttcctagt 240

ggttcttgtg gtttacacag cttgggtttc gcctttcgag tttgggttct tgagaaagcc 300

aaggccacca ctatctatca ncgataacat tgtgaacgca ttcttcgcca tcgatatcat 360

catgacattc cttggtgggt anctccgatn aatcgacgtt acctccaatg gttgantgaa 420

ccgttaa 427

<210> 2124
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-060-Q1-E1-E3

<400> 2124

tctggctctc tctcttccta agtttcctct ctctttagaa ctgtagagag agaaaagcct 60

ccatttttct caaggcaatc tctctctctc tgcctcatct cataaaccca ttacaccaaa 120

acctcatcgt agagagagaa acacaccaac cattgttaca ctctaagaga agagaagaga 180

gaaggaaaaa tggacggtgt atcaccaaag tttgtgttgc cggagacatt cgacggcgtg 240

aggatggaga tcacaggcca actaggcatg atctgggagc ttgtaaaagc accagtgatt 300

gtccctcttc ttcaattagc tgtttacatc tgtttgctta tgtctgtcat gcttttatgt 360

gagaaggttt acatgggaat cgtcatcgtc ctcgtcaaac tcctcctgga aaaa 414

<210> 2125
<211> 435

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-E6

<400> 2125

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ctttagatct cataacccaa caccttctta ctgatttccc ttccttagac acctttgcct 180

ccaccatcca ccactgcacc acctcaactc taagccaacg caaaccacct cttgccacta 240

tagcagttcc tactactgca ccggtggttc aagagaatga tcaaaggcat tacagaggcg 300

tcaggagaag accatggggt aagtatgcgg ctgagatcag agacccaaac aagaaaggtg 360

ttccgtgtcn gggtaggnac tttggcaaaa gncatgggaa gctgnaagan ggtttggcca 420

agggaagctt ttaaa 435

<210> 2126
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-E9

<400> 2126

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gtggtttcgt agtagccggt tggtttattg gctgcttttg attacgcttt ggacgtatct 180

tggattttat gttcagtcta ggtgggcaca tgataatgaa agcaaagttg agtttttacg 240

gtttggaggc agaccgagaa aggatgagtt atatatggag aagattaaag gactggatgt 300

tgttgctaat gagaattctg aggctttggt taatattact ggtaaagatg atctggttcg 360

aataagagga cggatgttag tctgatcaag aaagatgatg gggtttctcg acggagcttg 420

agttccaagc agaagacgag aaaaactgtc cg 452

<210> 2127
<211> 411

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-060-Q1-E1-F10

<400> 2127

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cttctaatcc gtttcgtata ctatcgctat tcttgttttc tgtttgtttg tattttggga 180

ttttctttgt gtttagtgat aatggatgca ggtttgaatc ggtgcccact tcaagaacac 240

tttcttccca gaaaaaattc caaggaaaat ctggacaggt tcataccgaa tagatcagcg 300

atgaattttg actatgctca ctttgccctc actgaagaaa gaaaaggtaa ggatcaatct 360

gcaacggtaa gttcaccatc caaagaggcc tacaggaagc aattgggtga a 411

<210> 2128
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-060-Q1-E1-F3

<400> 2128

gggttggtct tctcgattcg tatcacaacg aagcgaacgc cgatgatatt ttgactaaaa 60

tcgaagaagg aagagatgtt tccggtttaa ggaagattca ggtcggagtc accggtatga 120

cttgtgctgc ttgttctaat tccgttgaag cagctttgat gaacgttaat ggcgtcttca 180

aagcctctgt tgctttgtta cagaatcgag ccgatgtcgt cttcgaccct aatttagtca 240

aggaagagga tattaaagaa gctatagagg atgctggatt tgaggctgag atattggctg 300

aagaacagac acaagctact ttggtgggtc aatttacaat tggaggtatg acttgtgcaa 360

cttgtgttaa ctccgttgaa aggaatccaa gaaatctccc gga 403

<210> 2129
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-F4

<400> 2129

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aggctataga gattgatgga caaactgtgt ctagggtgct tcatcatctt tgtttgtttg 120

taaaactctt gtcacacaca ctgttatgag tcattttctg ctgtgtgtgt tttgttttgt 180

ggtgatgtaa gttaaaaaca agcgtgattc tcatgtggcc catctcaatc aatggttggt 240

gatttgtggg gtttttaggc ttttctatta tcttatcttt tggggataag ataaaagcct 300

aaaactgtat gtaactatgt atggttcttc gaatatttta tcatttatct ctaatgtcaa 360

aaaaanaaaa naaaaagggc gggccgctca aaaggttcaa gcttacgtac cgtgcatgcn 420

actc 424

<210> 2130
<211> 224
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-060-Q1-E1-F5

<400> 2130

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gagataatta atcactgatc tgagcatttc ttgtcgaata gtgttttatg tatattaggg 120

tttacttttg ctcactgtaa cctgtttttt ctttgtttct tggtctaaga aatgattctt 180

gaacaaatcc taatcgtaac tttatgcaaa aaaaaaaaaa aagg 224

<210> 2131
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-B8

<400> 2131

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cacttgggtt ctcttggggt aactggaaat cttgcactgc agcccatgta cactttatca 120

ggtggtcaga aaagcagagt tgcatttgcg aagataacat tcaagaaacc acacttgcta 180

ttgcttgatg agccgtccaa tcatcttgat ttggatgccg tggaagcttt gattcaagga 240

cttgtcttat tccaaggcgg tatttgcatg gtgagtcacg acgagcatct gatatcggga 300

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catgactana agaaagcttt ctccagtcct ccaactaagc cg 402

<210> 2132
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-F6

<400> 2132

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ggaccggtta agctggcaga cctgcaaaga attctgaaca acctctctgg tggccctgta 180

ggtattgctg gagatcaaga cgaaggttta gcattagggg atatcttgaa accggagttg 240

ataatgccat tgcttgaggc gttgccggta caagaacgac tatcttcgca tttacctgag 300

ggtcattcta gggcaanaag atatactggg agttgttgca ngagccctcc ttttcgtcaa 360

caagtagatg catttaccta atgttctccg cacaagaacn aatnnanttt gactcaattt 420

tgggtanaga acccaagtta atccaanttc 450

<210> 2133
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H3

<400> 2133

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aaatagaatc cctaaaagag aaagaaagca aaaatggagg acacgaagcc accattggga 120

ggtaacaaca atcctnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnatgct tctattgcag caattgcaaa aacaacaaca 240

gcaacaagca gcaatgtcta gattcccgtc gaacatcgac gtgcatctcc ggccaccggg 300

gttgattcag aaccgaccca ttaatcctcc gcctcagcag aatcctaccc ctaaccctaa 360

tttgggacag caagacaccg aattttcann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nattgatgag ccattgaatc 480

acatcgagct tcagtgcgcc tatcagggac gcttggn 517

<210> 2134
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H4

<400> 2134

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tatattgttg gttttagatg atgtttgggc tgangaagag tccttgctac aaaagtttct 120

gattcagcta cctgattaca agattttggt gacttctcgg tttgagttca caagttttgg 180

tcccactttt catttgaaac ccttgataga tgacgaggtc gaatgcagag atgagataga 240

agaaaatgaa nagcttccag aggtgaatcc tcctcttagc atgtgtggtg gttgcaactc 300

tgcggttaaa catgaagaat ctgtgaatat tttgggtgtt ctttggcatc ctggatgctt 360

ctgctgtcgt tcttgtgaca aaccaattgc tattcatgag ctcgagaacc atgtttcaaa 420

ctcaagaagg caannttcac aaatcctgct atgaaccggt actgctangt ctgcaaaaga 480

gannaagatt gaaaacgttc anta 504

<210> 2135
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H5

<400> 2135

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ctccgtcgtc tctcctcagc cgactcgcgg cgatttgcat accggaatct cgccgagaat 120

atggaagatc cagtcataag ggtggtggta gggaaggaga agaaggagtt catggtcgaa 180

ccgtatgtac tcgaagagta cccgttcaga gtcttgatag gttcagctaa ggatcgtgcc 240

aagaaccggt taaaccggac cggtagagtg gtgtggcttg atcatgtcga ctcgatctta 300

tttgagcact tgctgtggct tcttcggaac gatgcctcta cgttttcgga tttggatgtt 360

ctcgagatca ttgaattcta tgctcaagat tgttagggaa agaaatggat taacaagtgt 420

gcttttacag ttttacnttc agtgangata tgatcattca agaaaacgtt ttact 475

<210> 2136
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H6

<400> 2136

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aatcgcgtta ttctaggtcc gccgctgttg gatctgcaaa ttccccttcg aatttgaaca 120

tttgtgattt caaattcttc gagaagatga gcgcgaaaaa gcttgaaggt tcgtcggctc 180

cggcgaatcg acgggatccg tacgaggtcc tttgtgtatc aaaggacgct aatgatcaag 240

aaatcaaatc cgcttacaga aaattagctc tcaagtatca tccggataag aatgcgaaca 300

atcctgatgc ttctgagctt ttcaaggaag ttgcattttc gtatagcatt ttgtctgatc 360

ctgaaaagag aaggcactat gacaatgcan gatttgaggc actcgatgct gatggaatgg 420

atatggaaat tgacttgtca aacntcggga ccgtaa 456

<210> 2137
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H7

<400> 2137

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tttgtatacc tttctctaga gcgttgcacc tgcagtttag atgatctaat caaatcctat 180

ttagagtttt ctatgacaaa agtattggaa aacaacgatt ctactgaagg agtggctgct 240

tataagatcc aacttgattc tttggaggga gttatcaaag gaaacaactt ttggaaagtg 300

gggggtcacc cgtcacctct catgcttaaa ctaatgaggg atatagtttg tggaatcgtc 360

cacttacacg aattgggaat agttcatcgg gacntgaagc cacagnatgt gtnaattagt 420

aaagatatga ctttgagtgc aannactgtc cgnnatgggc atttagcnag cgtatgtcc 479

<210> 2138
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H8

<400> 2138

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agaagaaaca cgaggcggcg gatttgccac gtgttgagct gacggcgatt gacttgcaat 120

ggatgcatgt attaagcgaa ggctgggcaa gtccactcgg aggtttcatg agagaatccg 180

agttcctcca aactcttcat tttaactcgc tacgtcttga cgacggctcc gtcgttaaca 240

tgtccgtgcc tattgttctc gctattgacg atgaacaaaa agcacgtatc ggcgagtcta 300

cacgtgtcgc tcttttcaat tccgatggta accccgtcgc tatcctcagc gatattgaga 360

tttataagca tccaaaggaa gaaaggatag ctagaacatg gggtacgacg gctccaggtt 420

tgccttacgt tagacgangg cgatanctaa tgctggaaac tgggctcaat tgggggtgat 480

tcttgagggt ccttgagc 498

<210> 2139
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-059-Q1-E1-H9

<400> 2139

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tggagaaatt ctcgtacaac tcttatccag attcaaccga ctcgtcaccg agatctcgtg 120

agatcgaatt cgataacccg ccgcctccat gggatgatca gaaccagaac cagcagcaac 180

atagctacaa ggtgaagttt atgtgcagct atggcggcaa gattcagcca cggcctcacg 240

ataatcagct cacttacgta aacggagaaa cgaagattct ttccgttgat cgcgggatta 300

gattccctgt tttaagcttc caaactctcc accgtatgcg gcggcggtga tggcggcgga 360

ggagaagtta cgtttaagta tcagcttccg ggagaagact tagacgcttt gatctcggtt 420

acgaacgatg atgatctggg agcatatgat gcacgaagta 460

<210> 2140
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-A12

<400> 2140

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tatggccctc ctggttctgg gaagacactt attgcccgtg ctgttgctaa tgagactggt 120

gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnctcttga cacttatgga tggtcttaaa tccaagagcc catgtgattg 360

ttatgggaag ctaccaaacc gtcccaacag cattgaccct gctttgagaa gatttggacg 420

ttttggatag gagaaattga tattgggtgt tccnggatga aa 462

<210> 2141
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-A2

<400> 2141

acgcgtccga tcaaaaccgc ctccatttct cattcnctct ctctctaaaa aaccaaatcc 60

atgagtcaga gaaaatctgt gatggctctt tccaacgcct cctctctctc caccagatct 120

atctacggcg gtgatctttc tcaccgtcca agcaaccgtc aatcatcctt cacatttcat 180

cccgccgtca acaccaagcc taaatccgtt aacctcgtca cggctgtaca cgcggctgag 240

ccagctanaa acgctgtttc agtcaaagaa tccgttgcgt cttcttcgtc tggtgcattg 300

aaatggactc cagagagctg gaaactgaag aaggctctgc aacttcctga ttatcctaac 360

gccaatnagc ttgagtctgt gcttaaaang natagagggn ntttcctccg gaatgtgntc 420

gcccgggaaa aagccnaggg atccctggag 450

<210> 2142
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-A8

<400> 2142

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tcggcgaaca acgagtacga gtttctgagt gagattgggc tgacttctca caacttggga 180

tcttacgttg ctggcaaatg gcaagccaac ggacctcttg tttcaactct caatcctgct 240

aacaatcagc caattgctca agttgtggaa gcttctctag aggattacga gcaaggtttg 300

aaagcttgcg aggaagcagc taaaatatgg atgcaggtta cggctcctaa agagangtga 360

tatcgtcaga caagattggg ggaatgcact aagattcaaa cctgacnacc ttgggcgtcn 420

tccttcccct tgaaaatgga aaa 443

<210> 2143
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-A9

<400> 2143

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ttcttcataa gttcactgtc gatcttccga aaaagcacgg aagaggagga caatctgcgt 120

tgcgatttgc tcgtcttagg atggagaaga gacataacta tgtgaggaaa accgcggagc 180

ttgccactca gttttacatt aatccagcta cgagtcagcc taatgtctct ggtcttatac 240

ttgctggttc agcggatttt aagaccgagc taagtcaatc agaactgttt gatcctcgtc 300

ttcaagctaa gatattgaat gtggttgatg tttcttacgg aggagagaat ggntcaacca 360

agcaatttga nctgtcngct gaagattcct atcgaatgtn aaagttcaga 410

<210> 2144
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-B4

<400> 2144

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ttttttttat tttccttgtc tcttacctga tttggtgatt tattattaca tcaaccactc 120

gattcgttag atttccggat ttgaaaaaga gtcaccaact tgtacggatt ctcgttttgg 180

ggatcgagta ttgctgattt gtgattttgt tgtttttggg tactttccct ttgtggattc 240

ggatctggtt ggtggctttg tcaaatgggc gcattagatg anggatgttt gaatctggga 300

gctcgacatt gggaatgaaa aatggctgca attgaanctt gcnttccagc accaaacctg 360

aanactttag caatccaaag acgctgtcaa acttcccctt gcaaaggtcc tcaatgaaan 420

atgtcaatcc ggga 434

<210> 2145
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-060-Q1-E1-B7

<400> 2145

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acactgattc caggcttctt agtatacagt gttgtggttg tgaagaacag taacttcaga 120

ttttgcgttt agactatgaa aatggatttg tatatcttat gttgtgctag ttcctagctg 180

ttagagctgg aattgatctc tggatactta gacatgttgt tacatgagtg gtggtgcgac 240

attgatactg tttttgttgc aggagagagt gagagattct tgcagaaagc aatacaagaa 300

caaggaagag gaagggtgtt agacaccatt aacgagattc aagaaaggca tgatgcggtt 360

aaagacattg agaagaatct cagggagctt caccaggtgt ttctagacat ggccgtgctg 420

gtagagcanc agggagctca gcttgatgac atcgaanagt catgtgggg 469

<210> 2146
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-H11

<400> 2146

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ctantcactg atttcttcta atcctccggt ggagtgagaa gatgatatct ccgacgttgt 120

ttcctcncct ctgcgcttta tttctatgtc ttccagtggc tgttatcttc acagtccagc 180

gagaactcac ctgcgttatc tcgccggagt ttggtttccg ctctctttcc gtcttctctc 240

tttactctcg aaatgtcccc gactcttctt cttcttctcc ggcggttcgg attcgacagn 300

cgattcccaa agaagacgac cctcttcttc nagntatctt ctcggggtta acccgaatct 360

acctccnggt tcgacncggg aaaatacttt natggtantt aacgacgtcg cctcttccgt 420

tcgcgcgtct ttggganatg nttcttcgac ggggatctcc a 461

<210> 2147
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G7

<400> 2147

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ctagcagtcg tctctttctc agttctccat gggaaagtct aaatccgcca ccaaagttgt 120

tgcagagatt aaggccacta agcctttgaa gaaaggcaag agagagcctg aagatgatat 180

tgacaccaaa gtgagtctta agaagcagaa gaaagacgtg attgctgctg tccagaagga 240

aaaagctgtg aagaaggttc ctaagaaggt tgagagctct gatgattcag attctgaatc 300

tgaggaagag gagaaggcta agaaagtccc agccaagaag gctgcttcaa gcagtgatga 360

gtcatctgat gactcttctt cagatgatga acctgcaccc aagaaggccg ttgctgctac 420

taacggaact gttgcaaaga agtctaagga tgactcatca tcatctgatg atgattcttc 480

agacgaggaa gttgctgtca ccaagaagcc cgcagctg 518

<210> 2148
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G9

<400> 2148

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natgggtcga ctcgtgtcan aaggctacgt tttaaccgtt cttgctccta acgacgaagc 120

catggctaag ctcacaacgg accagcttag cgagccaggt gctcctgaac aaattatgta 180

ttaccacatc ataccggagt ancaaacaga ggagagtatg tanaacgctg ttcggagatt 240

cggaaaagtg aagtatgatt cattganatt cccacataaa gtgttggctc aagaagctga 300

tggatctgtc nnattcggga cagcngtgat gggttcannc ttacttgntt gattctgana 360

tctanagnng acnggtccgg gatttcagtt caagggtan 399

<210> 2149
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-H3

<400> 2149

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ttgtgcatct gagttagaaa aaagtctttt aaggaagtga gagaaaacat gtcttctctt 120

agtagagagc tcgttttctt gatcttacag tttctcgatg aagagaagtt taaagagact 180

gttcacaagc ttgaacaaga atctgggttt ttcttcaata tgaagtattt tgaggatgag 240

gttcacaatg gaaattggga tgaggttgag aagtatctct ctggtttcac taaagtagat 300

gataatagat actctatgaa gatattcttc gangataaga aagcagaagt atctcgaggc 360

tttggataag catgatcgtc ccaaggctgt ggatatacta gtgaaggatt tgaaagtgtt 420

ttcaactttt aatgaggagc ttttcaagga aataaacaca gctcttgaca ttggagaact 480

tccgggagaa tgaacagttt tccangtaag ggggaca 517

<210> 2150
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-H5

<400> 2150

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aatgcattcc tctttgataa aattgggatt tcttcttctt cttattcagg tatcattgtc 120

tcatgctcaa ctaagccctt ccttttacga taaaacatgt ccgcaagtct ttgacattgc 180

aaccactacc attgtcaatg ctctaagatc ggaccctcgc atcgctgcaa gcatccttcg 240

tcttcatttc cacgactgct ttgttaatgg atgtgatgca tcgatattgt tagacaacac 300

cacatcgttt aggacggaga aagatgcgtt tgggaacgct aattccgctc gaggtttcga 360

tgtgatcgac aaaatgaagg ctgccgtgga gaaagcatgt cctaaaactg tttcatgtgc 420

tgatttgctc gccatcgcgg ctcaagaatc tgtcgttttg gcgggaggtc cttcatggag 480

gggttccaaa tggaaag 497

<210> 2151
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-H7

<400> 2151

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ctgggaaata cttcagagct cgagatctac cacggaagat gacaattcga ggagcttgga 120

ggagattgat gatggcacgc aaggtatgat taggtttgat catttctctc ttgagaacca 180

gagtggtttg tctcgtttgg aggcaaacga tgaagatggg tctgttcaat cgggtagtcc 240

angatggatc gaacctagct ccgatgttcc ttanggtccg aagcatttta gtgagttatg 300

gtctgattca agcantgatc ggcttgatga tnagaggtta gtggatgatg atggtgaata 360

acgaggatgg gtatagagag aancgaagtg ggtattgttn gaatanagtg aagngtatat 420

ctcaggacat ggatttgatg agcnctgagg ag 452

<210> 2152
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-H9

<400> 2152

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aatgctacgc tcttcaactc tggtctaatg gtggttgagc catctaattc aacattccag 180

ttactaatgg ataacattaa tgaagttgtg tcttacaacg gaggagacca aggttacctt 240

aacgangata ttcacatggt ggcatcggat tccaaaacac atgaatttct tgaagcattt 300

ctgggaagga gacgaacctg agattaaaaa natgaagacg aagtctattt ggagctgatt 360

ctccgatcct atacgttctt cattacctan gttataacaa accctggtta tgcctcagna 420

g 421

<210> 2153
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-A10

<400> 2153

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cgcgtccgcc cacgcgtccg tccttctcga ccacttctct atcaccaaag actctcctca 120

agggaaagcc ataaaggaga ctttgggaca ttgtgatgct aaagctattg aaggagagca 180

taagttttgt ggaacttctt tggagtcatt gatcgatctt gtgaagaaaa caatggggta 240

taatgttgac ctcaaggtca tgacgactaa agtaatggta ccggcccaaa attcgataag 300

ctacgctttg cataactaca cattcgtcga ggctccaaag gaacttgttg ggattaagat 360

gttgggatgt cacagaatgc cttacccctta tgctgtttac tattgccatg gacataaagg 420

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acccgctgtc tgccacatgg acac 504

<210> 2154
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-A2

<400> 2154

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acttttggan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnaga cactaagatt caagtcctct ctttggtcgg agaagatgca 180

ggtagtctcg agcttcgatt ttcagtcttc gccgttctca cacggcgccg gagagattct 240

catttctccg gtagaccacc gagagttatc ctcacacggt gacgcgcttg aaggcgcgtg 300

tgatgactcg actagattgg cggcggtgaa agtacagaag gtctacagga gttatcgtac 360

gcggcgtaga ttagcagact ctgtcgttgt cgccgaagag ctctggtggc aagcgatgga 420

ttatgcgang cttaatcata gtacgatttc gtttttcgat tactcgagac ctgaaactgc 480

tgtttccaaa atgggaaccg tgttaanctt gaatgcttcc a 521

<210> 2155
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-A3

<400> 2155

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tcttttgtct tctttacctt attcgtctct cantctttga atcnccttte cctttctctc 180

aatcttcctc acttacattt cttatctcac tccctctctc actttctcct tcaatgttct 240

ctcctctgcg ttttcacgaa acagagaacc ttatcgttcc gtcttcgtag acattgaaat 300

cgatagagag gtgttgattt gattaggttt aatattgatt cggatgaang gaagagatgg 360

ttactaatan ctacatggat acgcgatcaa atttgacaag tgtgaatcga ggatccaatg 420

tggatctcga agatcgattc cagaagggag ctcgaatctt tgctccaaca acatcgtaat 480

cagcaatcat ttggccgaga acgagaacga gacattg 517

<210> 2156
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-A5

<400> 2156

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agacaatgtg ggaaacagcc atttccaaaa ttgtagccat attggagaac caatttgcca 240

gaatggattc gcctactcat ctgcttttgg tgaaagatta tgtaactctc cttggcacaa 300

cccttagaca gtacggttat gaagtgggtc cagttcttga tgcccttgac aagagccgag 360

ataaatacca cgagcttctt cttgaagagt gtcgaaagca aattgtgact gctattacag 420

aggacactta tcagcagatg gtaatcaaga aggaagctga ctatgaaaac aatgtcntgt 480

cgtttaacct tcagacctca gacat 505

<210> 2157
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-A7

<400> 2157

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agttttgttc tttgtgattt tgtatgacaa tgatcttctt ctctaagctt aatcgctcca 180

tttctcgttc aaagggattt ttgtacggtg gtggtgttag atcggcggca aggctactta 240

cttcgccggg acttgaggcg gcgtctgtga atgaagtgga aggtggatta gggtttataa 300

gaagacactt tgcttcttta gcttcacgga agggtttagt caataatgat ttgattggtg 360

tttttgctaa tccaagactt cgtagattct tctctgatga agctcctaag aagaagaatt 420

atgagaacta ttttcctaaa gataagcaag aacccaagag tgatcagaaa tcagagcata 480

aagaggggtt cagaaaagaa tga 503

<210> 2158
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-059-Q1-E1-B1

<400> 2158

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cttcaaaaat ctcttctaga gaaagacttc attagctcaa ttttagcaac ttcctccacc 180

tccttttact cacactgtgc ttcgatttca acttcgcatt tcacaatgat ccccaacgga 240

gaattgagat tacctgctct caaggtccgt gaagaccgcg tgtcaccctc agctcctatt 300

ccggtcacca gaaccctagt ggctgatact gacgtcactt ccgatgacga tatgagtaca 360

aattccgagg atgtctctct cgattcgtct cccgagaaca gtagagtgtc cagtgccgtt 420

ggtcgcagct acgggagaaa ttcttcttat tatacttact ccgaggtgaa gctcatcaag 480

agagactttg gtcggtgcgc gcgaacanga cgggaact 518

<210> 2159
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G3

<400> 2159

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caaatctttg acgacatcaa ggaggaggat ttggtaagct acagataaaa acaaaagcta 120

tgatatgaga taatgtagtc caccaccaca ccaaattccc ccttcaccgt ctctcttcgt 180

cggtgattca cattccgatt tggtgtcttt ttttactctt aacaagtcct caaaaaccct 240

acttttactc gagattttgt ctccgccgcc gagtaccaag tgcctcccga tctacgcccc 300

aatccctaaa tggctacgga ggctacaacc gtacccaaat tccaggaacc tgatctccgg 360

caggtttctc agacaccgga tttcaaaccg gaaatcgctc acgatggtct taagttctgg 420

gcaatttatg attgctggtt cnattgctgg ctccgtccaa cacatggcga tgtttcccgt 480

cgataccaan cnggaaccat ntgnaaagcg cctcgancaa gttc 524

<210> 2160
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-C4

<400> 2160

cgcctgtcgg taggcgtccg naattcccaa ggtcgaccca cgcgtccgca aaaaaaaagc 60

aaaatcgcaa gagagacctt aaacgacatc gttttcagat gaggagacac caccaccgat 120

gccaaatcgg ctccgatagc gaaaccggat ccgaatccga ttccgatacc gacacgccga 180

tgcgatgcat ctcttgtcga gaagagtacc tccctcgcaa cgccgggacc tgcaaggaat 240

gctacgtcga agccggcgaa actgaagaag aactcaaacg cgagatcgat gacctcaaag 300

ctaaagttgc tttccttcgc ttatcttctt ctcttgatca tggaactagt tcaacctcta 360

gatccttcac tgatgttgtt ctcatcgcct ctgaagataa cgccggatct cctcctattc 420

ccgctcataa atccgttctg gtgagtcgtt ctccagtttt caaaagcaat gcttgagaat 480

gaaatggaag agagtctaan cggca 505

<210> 2161
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-C6

<400> 2161

acgcgtccga cagttctttg ttacaatttt ttttcctcaa attgtttttg aaagggtttt 60

attatgcggt taaacatcaa caaaatctct gttcttttat atatatatga acaaaaagag 120

atttaagaaa aaaaaataga tgatacctta agcaatacta tttaattgaa gtatgtttag 180

ttattcatat taaggatctt gttttcaatt atggtgaatt ttgagttaat tgaaatgata 240

tttgtgaata actttaatga agaatcttgt ttttattttg gtgaaatatg acagtaagtt 300

ggaatgagaa gagaagtttt tgagtcggtg agcaccaatg cttctaatga aagggttcac 360

gtggctccca aaatagcggc agaggaacaa gattatgagg agaaaggaat gcactgagga 420

gaattctctc tctcagaatc ataaatcntc taatgtaatc acagagaatg a 471

<210> 2162
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-C7

<400> 2162

ttcccgggtc gacccacgcg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnncagcacc tccgtcttct gattctatct acgaatcatt 120

cgttcaatgt ttctccgaca agacaaaatc tccacaagcc caaatcaccg acaatgtctt 180

ctctcggaca aacccttctt tctcctccgt ccttcgtgct tacattcgaa atggcaggtt 240

caacacttca tctacgccaa aaccagctat catcgtcact cctcgctccg atatccacgt 300

caagcgccgc cgtcacttgc tcaaaaagtt taaatttcct tctcaanatc cgaagtggtg 360

gccatgatta cgaaggtctc tcttacatct ctgataaaca ttttttatac tcgacatgtc 420

gaatctccgn tgatgtcnct gttgataanc gccgatcant cagcttggga tgtccggccg 480

gagcaactc 489

<210> 2163
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-D1

<400> 2163

ctgtccgtac gcntccgaaa ttcccaggtc gacccacgcg tccgattcag gaaaaagatt 60

tcatctttga gtttttcatt catctatcgg ttgtttccat tctcaggttt cagtcgaaaa 120

ttccctctct ttcttttcga tttgatctgg gtttcattgt acatagctcg atcttcaagt 180

ttcgtcatct gggtcttgta aagttttaga cttttagggt tgttttacnt gtgaaggttt 240

ctctcttttc taagggattc tctgggtaat tgatcgatta gggtttaaga ttttagcggt 300

gngggaaaag ctgtttggnt cganaattct atcntgatta acgtcacttg cancttttcgc 360

acaagttttg ggaattgtac tacgttttga ntgannanca tagagtnggg aagtgagttg 420

gggagtttcc ctgaactggg ctnatcaang gngggnngct aagtcgggcn gtanccccttg 480

gtggggtcan cgacct 496

<210> 2164
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-D3

<400> 2164

nccgtcagta ggctccgaaa ttcccaggtc gacccacgcg tccgcatgac gactcggaga 60

tctctaggct atggctacgt taactatgca actcctcaag atgcttccag ggcactgaat 120

gagctgaatt tcatggctct taatggaagg gctataanag ttatgtattc tgttcgtgat 180

ccaagtctcc gtaagagcgg ngttggtant atatttatta agaatcttga cnaatcaaat 240

gatcacaaag cacttcacga gacattttca gcctttggtc ccattctatc ttgcaaagtg 300

gccgttgatc cctctggtca gtcgaaaggc tatgggtttg tgcaagtacg acactgatga 360

agcagctcag ggagccattg ataaactgaa tggnatgctt cttaacgata agcaagttta 420

tgttgggacc ctttgttcac aagctgcaga gagatccttc gggtganaaa gttaagttca 480

ctaatgttta ngtcaaaaat ctctccgagt cc 512

<210> 2165
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-D7

<400> 2165

acgcgtccga ataaaaaaag gtctaaactt tactcttaca tgcgccattg aactaacagg 60

gctaatggct gcagctcctt tactgctcca actacgattt ccacagttgc agagatatta 120

catccttcga attcaagttt tgggtattga tcgtgagaat tcaaggaaca tcttttcttc 180

ggtcagtatg tggcactcta agttagtgtt cgtctctcgg atcaaatttt cgaattactc 240

ttgcttagtt tctctgatta cttgtgtaga tgtgattacc caataagctg aaaacaaaag 300

gcgtgatttt gtgattactc tggcgtaata atgcctcaag tatgggtcaa cgggtcaaca 360

ctgcgagttc acggcggcgt cttacttctc gtggccgact tcaagcaggc taagcancgc 420

cgcggaggga nagagctnaa ctaagttcnc aaacttgcag aaagaggagg atga 474

<210> 2166
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-E11

<400> 2166

ttatttttt cccctaccaa attttcttcg aatttcagct cagatccctt ccttcttcca 60

gatcgatctt cagatctatt gttttttaag aatgggtttc aagcgaacgt ttgacgctga 120

agatgttcaa gagctcaacg ttaagaatgg aagacagatt agttactgta ataagctggc 180

caaactagat gaaggagttc catatcgtct ttcactggag aagccaggtg tcgtangtaa 240

taataacacc ttgtttcttg cagaggggtt cacatgataa acttaagcag ttcgcttaat 300

gattatctgt ctttatcatt tagcaggata tgatataagt gatctctacg ggtataaatg 360

tgaggataac gttgacaang ggtttgaaga ccaatgcgcc tttccccttg gn 412

<210> 2167
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-F4

<400> 2167

tccgnaaatt cccaggtcga cccacgcgtc cgatttcttt cctttgccat atttataaaa 60

taaaaganag aggaaagaat tttcaataat tttcaacaag caaagttcat gatggggaat 120

aagcgaaatc tcggatttgt gatcttcttc tgggctctgg tggttgcagt agtagccacg 180

gccatcgagc atcgtcgcaa tgagaggact aaaggcgtca atggtcttga caagatcatc 240

atccgcgacc gtcgtggccg atctgctgag gtttacttgt atggaggtca agtcagttct 300

tggaaaaatg agaatggaga ggagttactt gttatgagta ncaaggctat attccagcct 360

ccaacaccga ttcgtggagg aattccagta ttgtttccgc aatacagtaa caccggtcca 420

cttccctcac atggatttgt aagacagagg ttctgggaag ttgagactan accacctcct 480

ttgccatcac ttnct 495

<210> 2168
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-F8

<400> 2168

gaantgttac gcctgccggt aacggtccga anattcccgg gctctctctt tcacttgcan 60

tgtgtcgctt tgctgccttc attctcattt cacacgaaga ttaaaaaaag ttggtctctt 120

tcctaattta gaanagtgat aaaccaatcc cagatccgag tctctctccc catctccttc 180

tttctctctt ttgaataaca cactgcggtt ttttgccttt gagatctgtc attgtctctt 240

ccanatctag aacctttact tgggttgtaa cagattcaaa tatctgtaac tagtgagaaa 300

tcatcaattt ttaaagctga aggtcttcan ttactagtct gcatccttta actcggaacg 360

ttgggtctcc gtttggcttt atctcaaata agaaggcaat gaaaggaaga tnaagatgga 420

cggcanaaga agcgggtgat tgctttggtt tgccgttgca gcggtagttc gtgntntcgt 480

anatctgttc nacgggctct tctgatc 507

<210> 2169
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G1

<400> 2169

acgcctgtct gtaggcntcc gaaattccca ggtcgaccca cgcntccgga gagattcanc 60

tgcgttgggc aaaatcccag acgaagatca gtgattaagt cttttgataa cttgagccat 120

ggcaactggt aaaactgtga aagacgtctc gcctcatgac ttcgtcaagg cttatgcttc 180

tcatctcaag cgatctggca agatcgagct tcccacatgg acagacattg tgaagaccgg 240

aaagttgaag gagcttgcac catatgatcc tgattggtac tacatcagag ctgcatctat 300

ggcaaggaag gtttacctga ggggaggact tggtgttggt gctttccgta gaatctaatg 360

gtgggnagca agaggaacng tagtcgccca cctcacnttt gcaaaagcag tgggtggnat 420

tgcccgtcac atcctccaac aagctgggag acagtgaaca ttngttganc tcgacaacaa 480

aaggaggaaa gaaggatcac ttccanttgg ccaaanggga atttgg 526

<210> 2170
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G11

<400> 2170

gaaataaaaa gagagagaat gttagagaga caaactctga gagacaaaac aagagaaaat 60

cgctcgtcgt cggtattcaa gcgtctgtga ctccgataaa gcctangact agcgaggacg 120

gcgagagaga gagagagaga gctttggagt tgtcgtatct ctaaatcgga ggcaatttga 180

gtgagataaa gacaaaggaa ggaatcaagt ggactaccga agcgagtttt gagctttttc 240

anagacggat ttggagattt cttgttgata tcgtctgcnt agaggcttat ttggtaccan 300

atganacaga tctgangctt cggaaggtat gggcganttc ggaggtttca atgaaaggta 360

atccgtggga ggagataact tctcctcctc tngggt 396

<210> 2171
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G12

<400> 2171

acgcgtccgc ccacgcgtcc gaattgtctc acccgagctt cctctccagc tagggtttgt 60

ttgtttgatt gaagaaagaa aacaagaatg gtgtatttca atttcaatag gattaanacg 120

aagaagactc taattggatt tggattggga cagatcctct cgcttctctc gacttctctt 180

agctttacat cgtctgagat cgctaggaaa agattttagc ttttttttt ttcaaaccat 240

cccatttta aanattctca tgaacntaca aaatttgaaa tctttannag ggantaatgc 300

tccaacatca caagtcgttt ctgggttatg tgtgactggc antngtctag gcgantatga 360

gaatgganca ntgagngttt cangtannna atntttctaa gcgagtgcca aganatttgt 420

aaagccag 428

<210> 2172
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-G2

<400> 2172

cacgcntccg caaatactga aaataaaaag aatgaagaga gaaatctacg gtggtgggtg 60

attcgccgga gttcaatttc gtagctagat ttctcctcct tttccccccg acgagctgtg 120

cgagagaggg aggggaatca tgcagaaacg gnnaacggtg aaggaatcta cgaagataag 180

aaatggtaaa ggtatggatt ccggcgaaaa gaacagatct gagaagagat tgatgaagtt 240

cgaggagtta cctaggtatt tgaaagataa cgagttcata cacaatcatt atcgatgtga 300

gtggncaatc anagaaactt tcctcagcgc tttctcatgg cacantgaga ctctcaacat 360

ctggacgcat ttgtgtggga tttgcgatat ttacttggnt gatnnnntgt gaagttcaat 420

ggagacgaca ggcgccttgg cctccccggc tttgttaacc ttn 463

<210> 2173
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-C3

<400> 2173

tacgccgtcc gaaattcccn aggtcgaccc acgcgtccgc agagattgcc tcaggcgttg 60

actacgcttg taagtcaata tccaagagga agttgatctc taaagaagat gttgaggatg 120

ttagaaggga gattcagata atgcatcatt tagctggtca cggtagtatc gtgacgatta 180

aaggagctta tgaggactct ttgtatgttc acattgttat ggagctttgt gctggaggtg 240

aattgtttga taggattatt cagagaggac attatagtga gaggaaagct gctgagctga 300

ctaagatcat tgtcggtgtt gttgaagcgt gtcattcgct tggtgtgatg cataagagac 360

ttgaagcctg agaatttctt attggttaat aaggatgatg atttctctct caaggcnatt 420

gattttgggc tatctgtctt tttcaaanca aggtcaanta ttcactgatg ttgttgggaa 480

gtccataatt atgtttgccc ccgaagtttt t 511

<210> 2174
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-H9

<400> 2174

ntgttaccct gcctgtaccg ggtccgaaaa ttcccgggtc gacccacgcg tccgcccacg 60

cgtccgcgga cgcgtgggtg ccattgaccc taagactaag aagattctcc agctcttgcg 120

tttgagacag attttcaatg gtgttttcct taaagtcaac aaggctacga tgaacatgct 180

tcgccgtgtt gagccctatg tcacttacgg attccctaac ttgaagagtg tcaaggaatt 240

gatctacaag agaggttacg gaaagcttaa ccaccagagg atagctttga ctgacaactc 300

tattgtagag caggctcttg gaaagcatgg tatcatttgc actgaggatt tgatccacga 360

ngattctaac agtaggacct catttcaagg aagccaacaa cttcctttgg ncattccaag 420

cttaangnac cactaggtgg gcctcaagaa gaanagaaat cactacngtg gaanggtggg 480

tgatgcccgg 490

<210> 2175
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-057-Q1-E1-C8

<400> 2175

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tggcatgatc ttcatccttg tctactgcac cgccggtatc tcaggtggtc acataaaccc 120

tgcggtgacg tttggtttgt tcttagcccg gaaggtatcg ctgattaggg cggtgcttta 180

catggtggct cagtgtttgg gtgctatttg tggagttggt ttcgtcaaag cctttcaaag 240

ctcttactat gatcgttacg gtggaggagc caactctcta gcagacggct acaacacagg 300

caccggacta gccgcagaga tcattgnaac attcgttctc gtctacacaa gtcttctccg 360

ctactgatcc caaacgtaac gcctagagac tcccacgttc cggttttggc gccacttccg 420

atttgngttt gccngtgntt anggtacatt tggccactan ttcccattac cgggaaaccg 480

gnaatccanc ccnggccaag gagttttcg 509

<210> 2176
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-057-Q1-E1-F12

<400> 2176

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cgcaggagca taagcttccg cccaggccaa ngaggaacaa caagcggctt gctgcttcgg 120

atccggatcc ggatcctatt gagtcggttc aggagaaacc aaagcgcacg cgtggatcgt 180

cgaagcaaga ggaaaatgaa ctgcccaaga gtactagggc ttcgaggaaa aagaatctgg 240

acgatatcnc cgataaagaa gaggaattgg atgtggaaat tgagaaggtg gtcaaagcta 300

gggttgggag gcctcggaag aacgcaggca gtgcaattgc gaatggaang aagaanttgt 360

ggaggagaaa aaaanggttg ggangccccg gaagaacgca agtagtgcaa ttacgggagg 420

aagaagaact tgtggngggn gaaanaaggg nanctctaan ggctccggag aggtta 476

<210> 2177
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-057-Q1-E1-G10

<400> 2177

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gatcattang tttctgaggg gataaccatt ttttttttct tcttaaaaag ttttttttt 120

tgtcaattgg tcntcttctt cctcatccgc tcgcttanat ttaatttaat aataataaaa 180

atcggtgttc atttttatat aaaagtataa attttgtgtt tggntgatcc anccgtagtc 240

gtagtnaatc tacaagctct gaaattccac gcccacatct cctccgtcct cttgagatcc 300

ttctccgtca ttcattttct tgctcaactt gagttgcttc caacatcttg caagattgtc 360

nttgagttca ntcaaggtct tggaggaaaa gcacgctttt aaagctggtg tgaaacttgc 420

gccgttccng tgaaggaanc gaccgtttg 449

<210> 2178
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-057-Q1-E1-G8

<400> 2178

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ttttcttcga atccaaattt ctgtgtctgc ttttgattca cagagaagga gcaggaaana 120

tgttggatat caatctattt cgtgaagaga aaggtaacaa tccggagatt atccgagaat 180

cgcaacgccg gagatttgcc agcgttgaaa tcgtcgatga gatcattaag ctggacaagg 240

aatggcgtca gcgtcaattt gaagttgata gcttcagaaa ggagttcaac aagctcaata 300

agcaagtggc gcagctcaaa attaanaaag aagatgcgag tgagattatt caacanactg 360

agaaaaacan acaagattct actgcaaagg angctgaagt tcgtgaagct tatgctgctt 420

tgaaagccaa gttggagcaa gttggtaatt tggtccatga ttctgttcca gttgataagg 480

acngaagnta atnaatccnt gtggattnaa ctgtggggtg aaa 523

<210> 2179
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-057-Q1-E1-H12

<400> 2179

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agggatctct ttattcgaga aggttatcag tttgactatg tatttgattg gacaatcttg 120

acgtatccac agtttagttc gggctccagc tctagctcca agccaagatc aagcctgaga 180

ccaggctatg aancctccag taccaattgc cgaaagacca gatanacctt cagctggagc 240

tgggcaagac agtcgagata gattctcacg tgctttaaga gngcatatgc tagaagaaat 300

ggctcaagga anccngtgtg gtacaaggct ggatnggatc tagaccaagg aacctcagan 360

gnatggtgtt agcatccgtc aanaggatnc cagtcaccag ananccaang agaagagtcg 420

agangnccaa atctcttcaa naaggaaaag gcaag 455

<210> 2180
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-057-Q1-E1-H8

<400> 2180

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ctctgttcnt agatcccttg tantttccaa atcttccgan aaaaatgtcn ggtanaggag 120

aaggaccagc tatcggtatc gatcttggta ccacttacnc ttgcgtcgga ntatggcaac 180

acgaccgtgt tgagatcatt gctaatgatc aangaaacag aaccacgcca tcttacgttg 240

ctttcaccga ctccgagagg ttgatcggtg acgcagctaa gaatcaggtc gccatgaacc 300

ccgttaacac cgttttcgac gctaagaggt tgatcggtcg tcgtttcnct gacagctctg 360

ttcagaagtg acatgaaatt gtgggcattc aagattcang ccgggacctg ccgataagcc 420

aatgatccaa ggtccaatan aaagggtgnc ggagaaaaca gttcgcaagc tggagggana 480

attc 484

<210> 2181
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-A6

<400> 2181

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gactaactct ttcgtaattc aggatcttac tacaaatctt taactcacca atcttcttct 120

tattcaaaga ttagagagaa aatggacaac gagctgttta tgancacaga gtttccacca 180

ccgccggaga tggcgacgca tttcgaacac caacagtctt cttcatcggc catgatgctt 240

aattgggctt taatggatcc aaatccgcat caagattctt ccttttatg ggaaagagtc 300

aacggaacan caacaacaac aaagcatctt tgantctgct ttaagctcat tagtctcatc 360

ancgacgccg tcaaattcna ncttctccgg gcggtggtgg tgacggtttt cgcancagng 420

aactcatcgg naagcttggg aanacatcgg ta 452

<210> 2182
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-A8

<400> 2182

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tgttccttga aatccgattc tgattccttc cttttggatc cgattctatc tccaccttca 120

agcacaatat tcgactcggt actctctctt tcttcttctt attgcaaaaa gattctcttt 180

ttatctgttt tgtggatata cagattctgg ataaaaacaa tcatcttttt tctctcaaaa 240

atctctgctt aagaactggg attcttcaaa agctcttctc ttgtctgatt tcttctgaat 300

ttcccctcta agtctctcca attcttctcc attagctata aagtcgattc ctttatcacc 360

gttctgaaga atttggtcga aagttttggc ctttagtanc caattttcaa tcctgncgat 420

aactganttg aaaagggttc caaaagttac atcacctgaa ancaacagtg cttttgattg 480

tgttggtggt ttggagtgct tgataagttt aatca 515

<210> 2183
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-A9

<400> 2183

canaacggtc cagcctcccg ggtcgaccna cgcgtccgat ttgttttgct ttgtcagtca 60

acggttgacc cattgactcg cccaccatcc atgacttctt cagcttaagt tatgcactca 120

tcttttatct ccttcttaaa aaaatctgat gaactgtaac gttttgtttc ttctctctgt 180

tctcgtctct gttacggctg gagttacggc ggcgtaccat cctaccgatg tctttctctt 240

caactgcggc gatacttcca acaacgtcga caacagtggc cggaactgga cggtggaaag 300

tcgtcaaatt ctgtcgtcga atttagtcaa cgcttcattc acttcagaag cgtcatacca 360

aaaagcaggg gtctctcggg attccgtaca tgaaagctcg aatattccga tctgagttca 420

cctacangtt tcccagtcac tcccggttcg atatttcccg gggta 465

<210> 2184
<211> 519
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-B7

<400> 2184

actgtttacg cctgccaggt ancggtccga anattcccgg gtcgacccac gcgtccgaga 60

ggttcctaag agagtgcctc cggatagtcc tttggctcct caatggtaca cattggaatc 120

tgagaaatca ccggggaatg acgtcatgct cgctgtttgg ctcgggactc aagctgatga 180

agcgtttcaa gaagcttggc aatctgattc cggtgggttg attccggaga cgagatccaa 240

agtttactta tcttcgaagc tttggtattt gcgtctaacg gtcatacaaa cccaagattt 300

gcagctaggt ttgggatccg aagctaagtc aaagatcccc accactgagc tttatgtgaa 360

agctcagctt ggacctcaag ttttcaaaac ggctacgact tcgattgggc cgtcggcttc 420

ttccgtccgg atccggtaac ccgacttgga acgaggatct agttttcgta ncttccgagc 480

cgtttgaagc cgttcttgat agtgactgtg gaagatata 519

<210> 2185
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-B8

<400> 2185

ntgtttacgc ctgccaggta acggtccgaa nattcccggg tcgacccacg cgtccgccca 60

cgcgtccggt cattttaat aggaaaataa gacatagtta tctacaatat aaagcctatt 120

cggtataata acagagtaga atctaacaac cccaaagctt tcatagattg ggttttgtag 180

ggatatttca gtttttactg gaaggatcat gaagaacatc aacaatggct tcttcctctg 240

catgctttta ctcctctggt gttttgtgca ttcggggatt tcaattgatc ctttctcccc 300

aagcgactca ctcaaaacag agtgtgtaat gaagcctcca cgaagcagtg aaacgaaagg 360

attattacaa tttagccgct ctgtcgaaga tgactctgat gaanaatgga aaatagatgg 420

aagtgngatc cataagagan atgacacaga gaattcagct tcaccaacga agacatttac 480

aagcttntct gcttgggtga 500

<210> 2186
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-058-Q1-E1-B9

<400> 2186

acgcgtccgc ttcactccaa gtttatgagg agatctagag agataatcat atagagaaag 60

agagatctcc agagaaaatc cattgaaggg aaaaaaacag tctgtctttc ataattgctc 120

tttctataaa tcttctctct tgtgttctta cctttcttct aaaaccattc tctctctctt 180

taacacttca tcactcttta cggaaaattt cttattttca ccacctgagc catctctatt 240

ttcgtcaana cttctcaact tttgtgccaa aacgtcattt cttctgaggg aataaacaca 300

anagaacaat tttcccggaa aatcatggag atttcnactg ctctaatgat tctttcggnc 360

atcacggggg tatttctnat ggctcacatt c 391

<210> 2187
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-056-Q1-E1-H4

<400> 2187

ganccacgcg tccgcaacan ttanggtttc agangatcgg ctgattttca catccacaag 60

tatggcgact caaatcagca agaagagaaa gtttgtagcg gatggtgtat tctacagctg 120

aattgaatga ggttctcaca agagagctag canaggatgg ttactctggt gttgaggtta 180

gggttactcc antgangact gagattatca tcanagctac tcgtactcaa aatgttcttg 240

gtgagaaggg gaggagaatt agggaattga catctcttgt cnacaanaga ttcaangttt 300

ccagttgaca gtgtntgagc tctatgctga caaggttaan aacagaggtc tctggtgcca 360

nttgctcang ctgagtctcc acgtnacaaa gcttctcngg tggtcgttcc tgttcgcagg 420

gcccnttann ggtggttttg agnatttgtt ag 452

<210> 2188

<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-C4

<400> 2188

catctctcat tcaaacccac aagtccgatc tcgcgatcca aacaccatgg gaagaggttg 60

aagaagaagt gagacgaatc gtcgaacaag ttaaagagct tcatgactct tccacatcct 120

tcgtctcttc ttcttctcaa gaagagcttt ctctccgtaa cagagcctcc gtcgttgact 180

catcaatccg ccgtcttcat tctactcttg cctctgacaa acatctcgat cccaagcttt 240

tcgaaaagct agaagaggat ntggaacgag ctagatgcat gcttgcagat ggagacacnt 300

catcgtttcn tccanctaaa cctcaaagga acgttttgtg agaaatgttt ttgggacctg 360

ttgaangtta ggaagcttca cgaaanaag 389

<210> 2189
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-C8

<400> 2189

aaattgaaga caaaaatgtc tcgcagatcg ctaactctcc tcaagaatct agctagaaac 60

gcgaatggat caggtattca aacccgatcc gtgacttaca tgcccagacc cggtgacgga 120

gcaccacgcg cagtgacgct gatccccgga gatggaatcg gtcctctggt gacgaacgcc 180

gtggaacagg tgatggaagc gatgcacgct ccgatcttct tcgagaagta cgatgttcac 240

ggagaaatga gccgtgtgcc gccggaagtg atggagtcga taaggaagaa taaggtttgt 300

ttgaaaggtg ggcttaagac tcctgttggt ggtggtgtta agttctctta acgtccagct 360

taggaaagag cttgacctcn ttgcttctcc tggtcaactg ttttaatttg cctggtttac 420

ctact 425

<210> 2190
<211> 488
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-D4

<400> 2190

gttacccttc cggtagccgt ccganaattc angggtcgac ccacgcgtcc gggaagttgt 60

gtgagagaaa gaaaaagccc agagagaaga gagagagacc cacaacacan acacaaagta 120

gacgaagaag acgacgacga aacagctctc ttcttctctc ctctctctca gcatcttctg 180

ctggtttggt ctttcactaa agtctcggtg tgcacctaaa tgtgcttgat ccaaggtcgt 240

tataattctg tgtacagagc caatgccata tatagaaatg aagagcaaga taagcaaggt 300

tcttgggtgt ctgtaagaaa cataaagcaa gtacaaagaa attcttgctc ctttgtccaa 360

aatatcaagg agacttgggn aaagcataac cgcagctatt actacttgcc acgaacgaat 420

gaagaaacag cacctggggt ttggataact ttttctccgg gagaagtgaa aactaaatga 480

ngcccgct 488

<210> 2191
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-D8

<400> 2191

tcacaagaga gagatagaga gagaaaaagg ctctgctttc tacattattt acgattatac 60

actttccaac atggcggcct ctgtagataa tcgccaatac gctcgtctcg agccaggttt 120

gaacggcgtg gttcgttttt acaaacctcc cgttccaggc cggtccgatt cccctaaggc 180

gcaccagaac caaaccacca accaaaccgt gttcttgaaa ccagccaagg ttcatgacga 240

tgacgaagac gtgtcgagcg aagacganga acgangacac acaacaagca acgccgtgta 300

ctacaaggag atgatangaa aatccaaang ccgagcttgg aaccgtccgt tttggacccg 360

agggacgaat acacggcttg ataactggga ttngagccgt ancccttcca tgggtacgtt 420

c 421

<210> 2192

<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-E1

<400> 2192

acccttcngg tagccgtccg aaattcaagg gtcgacccac ncgtccgaga aattctatta 60

tcaattccta tcatttgtta agaaaaagag ttagaagtat taataatctt acaatattta 120

tagataagat aacaacaata tgaagcattc tcacgttttg cttcttctat ttgttcaagt 180

cattgtcctt ttgcctctcc tttgtctatc cgacgatttt gttaactcta gagctactta 240

ttatggcagc cccgattgca aagcaaatcc tcggggacat tgtgggtatg gagaatttgg 300

nagagatatc aataacggtg aagtgantgg tgtttcatgg gcgactatgg aacaatggaa 360

ctggctgtgg gtgctttgtt accanggntg aggtgccagg atagcancac actgccaant 420

gaggaaagga tanacgtnng tggctacggg actccnggng aaaggagatg gcacgggcct 480

tcatccttaa g 491

<210> 2193
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-E4

<400> 2193

acgcgtccgt gaaaccctaa ccacaacaat cgccgccgtc tctagaaata tccatccacc 60

tacttcggct ttgtttatca gattttgatg aaaccangat cgggtcttcc tctagatccg 120

ttctaggttt tctanttcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnagac atgtctctgt ttctgaaaga 240

cgattcgatt canattcgcg aagtctggaa ccgataacct tcaagaagaa atgggatctg 300

atccgagatg tcgtcgacga cgtcccttac gtcgccatgg gacactgagt tccccggcat 360

cgtcggtccg anct 374

<210> 2194

<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-F10

<400> 2194

aaaacccaaa tcgaaaaatc gattctttag tcagaaaaaa tgaggaccaa atctccatct 60

tctcttaatc tcaaggtcat attcataggt tcctcaatct tgatcttgat catcatctac 120

ttagcaagat caaacatctc ttcttcctct tcaaagccaa tctccaaanc aaatctctcc 180

caagaagaag aagaaactca gcataaacaa gaaggatgtc caacaacaca acaatgcaca 240

aagatgccac tttctttatc cgatgcattg ggttcattac gtcantagta acgtcactcc 300

acaacngaca ttttgatgaa gtcnctgtct caagngagaa gtcttgggac aangaagtcc 360

ncncgtggta aacttccntg ggcgttgggc ttaaggtcnc gacagtt 407

<210> 2195
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-F12

<400> 2195

ctgtttacgc cttncagcan gcctgtaacg gtccaanaat tcccgggant cccatattgt 60

gatnctccaa acggacgggt tgtgggaatc agtggagtct ctttttgagt ttacgctgaa 120

tcatctggga gattgacaaa gaagagttta agacagtgat gagtctgatg cgatctcagc 180

atagacaagg agttggccac agagatggcc ttcgaacagg gttacatatg accggttctg 240

tcgaggatgg aggattggta gaatacttct ttgggaaaga tggcaagtca aaaactgaaa 300

cacgacaaat tcactaagtt tatgaaagat ctaactgaag agatgctgag gctgganttt 360

gcacattang acnataancn aangaggaag tatatcggcc aaagattttg canntgtcna 420

ttggntgcag cnggctgatg caaggcattn tgagc 455

<210> 2196
<211> 433
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-F2

<400> 2196

gtggagagat tgatttaaga tacagagttt gnatctatct tgaggagaac acgaagaagc 60

tcagggaata tattgcagtt gcttcaaggg attcntgcan ggattgcttc tgagtangaa 120

agctctgata acaattggga taantctcga gagagggata gagttataat gattaatccg 180

tataaccaat cgctagttgt tccttcggat cagaatcaga atcatccttc attgacttca 240

cttggngatt acttcattgg acctggttta gatcttttgc ttcagcantt ggctgagant 300

gntcnnaata ggcaacggac tccacctgct cgtaaagaan ctgttgaagc tttaccaacg 360

gttaanataa tnggaagctt tgcaatgttc tgttttgttt ggatcaantt tgagaaaagg 420

tacgggaanc cta 433

<210> 2197
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-F5

<400> 2197

ctgttncgcc tgccggtaac ggtccaaaat tcccgggtcg acccacgcgt ccggcagctt 60

cctgttcaac gaatgctcga tttcgacttt ctctgtggac gtgaaacgcc ttctgttgct 120

ggaatcataa atcctggttc tgaaggtttt caaaagctct ttttcgggca ggaggaaatc 180

gctatccctg ttcatgccgc cattgaggca gcttgtgctg cgcatccaac agcggatgta 240

ttcatcaact ttgcatcttt taggagtgct gctgcttcat ccatggctgc tttgaagcag 300

ccgactatta aagttgtggc aattatagct gaaggtgttc cagaatcaga cactaancag 360

ctgattgcgt atgctccgtg caaacaataa ggttgttatt ggaccggcta cngttggagg 420

tattcaagct ggagccttta agattggtga tactgcagga acaatttgat aacattatcc 480

<210> 2198
<211> 440
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-F9

<400> 2198

acgcgtccgc ccacgcgtcc ggttgttggt gaacctgctc ttcctagaac tgagattgtg 60

aggcaattgt gggcttatat aaggaagaat aaccttcaag acccgagtaa caagcggaag 120

atcatctgtg atgatgcgtt gcgtgtggtt tttgagactg attgcactga catgttcaag 180

atgaataagt tgcttgctaa gcatattctc ccgcttgatc catcaaagga ctctggtcaa 240

gcaaaaaagg caaaaactga ggtggagact aagactgaga ccacccgagn ctattagttc 300

aactgctatt aagttcaact gttacattat ctgagccact ttggtaangt tccttggcac 360

tggtgaagaa ngganatggn aagacganag angattaant cgcccgtggt ttggggaata 420

cnttagagct caacaatttt 440

<210> 2199
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-G2

<400> 2199

acgccggccg gtagccgtcc anaattcang ggtcgaccca cgcgtccgca aaaacacaca 60

aatggaagga agagtcaacg ctctgtcaaa cataaacgat ctcgaacttc acaatttctt 120

ggtcgatcca aacttcgatc agttcataaa cctcataaga ggagatcatc aaaccattga 180

cgaaaaccca gttcttgatt tcgatcttgg nccattacaa aacagcccct gtttcataga 240

cgagaaccag ttcatcccaa cacctgtcga tgacctcttc gacgaattgc ctgacttaga 300

ctccaacgtt gctgaatcat tccgtagctt cgacggtgat agtgttanag ccggtggtga 360

agaagatgaa gaaagattac aacnacggtg atgattcttc agccaactac tacgaataat 420

gattgggacc ccgtnaagac gaagactgat ncggtccaag gacnttgatc tctgagaaga 480

angaaag 487

<210> 2200

<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-G7

<400> 2200

aattcttcga atctgaaatc cgatcgggct cgcttgttct gatttcgtga gggtgaacat 60

ggatggaaac aaagacgatg cgttgaagtg cttgaaaatc tgcaaaagtg ctatggaagc 120

tggagatcga cctcgcgctt tgaaattcct ggctaaagct cgtcgtcttg atccaaatct 180

cccgatcgat gatctcgtat ctgagcttaa caacaacaaa tcagacgaac caggatctgc 240

aaaatcgcct ggatctgcag cagcaaagga ttcttccaat tcttcagatc ggccttcttt 300

acgtcaacgt ggatcgtcaa caangtcatc gtcttcttcg atgtccnaca ctgaagaaca 360

ggntctcaat cgtngagaan anatanaatc tagaaaggat tantacgaag atcttangtc 420

ctg 423

<210> 2201
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-C3

<400> 2201

ttacgccttc ccgtagccgt ccnaaaattc aagggtcgac ccacgcgtcc gtttcaagcg 60

aaggaacggt gggaggaaca agcacaacag aggacacgtc aacccaatca gatgctccaa 120

ctgcggcaaa tgctgcccta angacaaggc cattaagagg ttcattgtga ggaacattgt 180

ggagcaggct gctattagag atgttcagga agctagcgtc tatgagggat acacattgcc 240

gaagctatat gcaaagacgc aatactgtgt ctcctgtgct atccactctc acgtcgttag 300

agtccgttcc cgcaccaacc gtagggttcg tactcctcct ccacgtttca ccaagacgca 360

aggaggatac tcccaagccc tgggacaagc cangacangc ccctcgtcca gctgggccct 420

ggagcttgca gctgcaaccg cgtgtctgaa gcctgcaatc ancttaaat tgtagtttca 480

ttttttcaag gat 493

<210> 2202
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-D12

<400> 2202

acctgaatct caccgtgagg atgaagttac gagttttgct gtggtcaatc caagtgggag 60

ggatctagag aatggtgtga acagtgaaag tcaagcttat actattgcaa ctggtcaagc 120

tgatggctct ttaaaacttt ggagaantag ttttcaggaa agttcaacac cttccggtct 180

gtgggagcta gttggcatgc ttacggttgg ccaaaatcct gtcagtgcta natctctgac 240

tgattcggga cacangatag cagccctctg tacagagagt cattcaanag ctgcccgcgc 300

agttagtana tngganattg tacaccttat agattcaggg gttttcatac nagaggatga 360

ggtacatntt g 371

<210> 2203
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-E6

<400> 2203

cgcgtccnca cagacttctg ctncatttcc gtcttttccg ctaggtttcc gtctctgttt 60

tttcttgcat tttccccaga attccttcac attctctcct tttcctcttt ttaattcctc 120

accacctcaa attcttcata aacaaatcca cttctgcatg gttgggagaa tctgttagag 180

aatttttgtt gttgttgggt tcagatttgg aaaatttcct ttttttcgag tttcttctga 240

attattcatc gtggagattc tcggatcggg aagggctgcg agaggtggtt ttcacggcgg 300

ggatagattc atcttctgtc ttctcctgag ggggtagccg aggctccggc ctcngcggtt 360

tttaaanccc gacctttaaa aattnctggg gaa 393

<210> 2204
<211> 403
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-E8

<400> 2204

cagagaggag atttgagatt ttgggtttca atggcggttt caagtgcttt cgttggttgt 60

ccaaagcttg agactttatt gaatcaccat aannnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncgaa gaacaataga 180

accagacgag gtttgatcca aaaagctcgt tgtgagctct ctgcttcttc tgattctgcg 240

tctaatgcag ctagcatctc tgctcttgaa caactcaaga actctgcagc tgatcgatat 300

acaaaggaaa gaagcagtat tgttgtgatt ggacttaagt attcacacaa gctcctgttg 360

agaagcgtga agaagcttgc tatacctgaa nctgaatggc caa 403

<210> 2205
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-F12

<400> 2205

acgcgtccgg ttttttgta ataccatcaa tgtgtgttta aagaaaggcc tcttgtgtat 60

ctgcacgaca tctcaaacaa aaccaatcaa taaaaacaag aaacaatctt ctttctcatg 120

gacagatctc aagaacacta tgccaatggt gaccagaact tagaagcaaa ccttatagat 180

catgaggtgg taactgaatc atcatcatca gctgtgcctc aaaccgagaa ctataaaagg 240

tggcttcgtg tctccatana ccgtaatctt tgtcctcttt tgccagccac tanctacaan 300

tctgggtaga ttgtactatg aaaatggagg aantagcana tangtggtaa cacttcatca 360

gctcaattgg gcttccctgt acngggttct gttcggcttc tgttcgctna agc 413

<210> 2206
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-F6

<400> 2206

tttcttcctc acggtcttct tcttgcccga gtccccaagg tggctcgtga gcaaaggtcg 60

aatgcttgaa cgcaaagcgg gttcttcaga gactgcgtgg tcgcgaagat gtgtctggtg 120

agatggcttt gttggttgag ggtcttgnaa ttggaggtga aacaaccata tgaggaatat 180

ataattggtc ccgcggatga agttactgat gatcatgata tagctgtgga taaggatcaa 240

attaagttat atggtgcaga agaagggcng aagttgggtt gctaggccag tcaaaggang 300

aagcactatg agtgttttgt ctcgccatgg gaagtacaat gagcaggaag caaggctcaa 360

tgattgatcc tcctgtcaca actgtntggg gaag 394

<210> 2207
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-G9

<400> 2207

cacaggtcng gaactcgcgg gtcgacccac gcctcnncnc tnagtcnnna nacttgttgt 60

cggagatgtg ttcagagaac cagaaatgtc aaagcttcta tgcattatgg tgggagatgg 120

ggttcgaatt acaggaatgg ctgttgtcac tattgttttc gctgcacttg gattcatgtc 180

gcctgcctca agaggaatgc tactaaccgg gatgattatt ctctatcttt tcttgggtat 240

tgttgctggg tacgctggtg ttcggctctg gagaactgtc aaggggactt cacaaggatg 300

gagatcactt tcctggtcca ttgcatgctt cttcccgggt attgcttttg ttatacncac 360

ngtgttnaac ttccttcnct ggagcagcat cagtactggn gccatcncaa nctcnttgta 420

tttnaactct tgggnctccg gttctg 446

<210> 2208
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-H12

<400> 2208

tagcttccat ggaaaccaaa ttcagtgact ttacctgaaa ttaatctttt gaatcccaag 60

caattgactg cctcgagttc tcagtatcgt agaactcgaa actggagaat tagaagttcg 120

tcggaagata atgtancaat ttcgagtgac ggcggagatt tgaagaattc tctgtccggt 180

attgtgggaa atcaagtgga ggagctattg agcagataat gagaacaaag gtttgcttga 240

tggtctggaa aaagcttcgt tgagagtgga gattgcgaan agagagctcg angatntaga 300

gagacnngaa attgaggcga aattgcnaca gggattatan nantcagctc ngaatcaatg 360

aaccgccana gganttgccg naaattgccc aagcagggag natngacngc agcaaaggtt 420

caatngggtt g 431

<210> 2209
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-H5

<400> 2209

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gatacaacag ataccaatat gatgcagaga gttaattctt cttctggtac atcgtcttct 120

tcgatcccta aacacaatct tcacttgaat cctgctctta tccgctctca ccatcacttc 180

cgtcaccctt tcaccggagc tcctccaccg ccgattccac ccatttctcc ttactctcag 240

atcccggcga ctttacaacc tatgacattc tcgctctatg tcgcaaccgt cttctttctt 300

ctcctttgat tcattgccgc cgttaaatcc ttctgctccg tcggtttcgg tgtcggtgga 360

ggataaaacg gtgcccggat ttagtccttt gttgnccttc g 401

<210> 2210
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-H7

<400> 2210

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catcgggaat ataaccataa tctccacgag ctgcttgaat gcgtaccctt cgttccctaa 120

tgttggcggc ggctctagca gtggctttgg ncgtgactgg ttttgcagca tcgccgttac 180

cttcggcnta ngcgaaatac gcagctggtc cgaccaagat tcttccttta caaanggctt 240

ttcctctaga ccaagctaat ggagctgagt gaacttanag cgcgtgatcg tgtcagacac 300

gcgcgaatct tactcggcgg tggtcgtcan agcnctgttg gcggcntcgt cgacttccca 360

gttcanggct 370

<210> 2211
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-A2

<400> 2211

ntgttacgcc tgccggtagc ggtccaaaat tcangggtcg acccacgcgt ccgctaaaaa 60

tcttactctt cttcactcta aatcccttct ctgaacctct tcgtttgctg tatgtgttga 120

tttcacttct ctctgagcaa gaagctttcg cgtgagagaa tgacgaaggt ctatggaact 180

ggcacgtacg acttcaagcg ccacagagtg gcggagtatc cattggagtt acctagccat 240

cctgctgaga agcctctaga gtcaaagcct ggatctaatt tgccgagctc catcacttta 300

tcggagattc agcaagatag gttaacgaaa atcgctgang agagctggat taagactgga 360

ggtaagctcc ctgagaaacc gttcgattcg gaggttgtga aggagattta tgtgacggag 420

cttaaggtaa ctaatggtcg taaacctgtt tcacttcaac gagttatgaa tcctgggaag 480

tgaan 485

<210> 2212
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-A3

<400> 2212

gtaggccgtc caaanttcaa gggtcgaggg acgcgtcagt catcancnct ccataantgc 60

ttcgatttct ctgcaaagac acaacacaaa aagtgctttt tttaatcaga tattttctgg 120

gcttcacttt aactctcttc gtgcttggtt ttccgatctt agtcgttact aattgagtcg 180

gagactgttc atttcctgat tctgaagaaa gttttggaga aggagaagat gtcaactctg 240

cgagtgagct agggtttagt gtgttttccg atttttgagc tcttggggat tgttgttttc 300

tcttaaagag tcgattttga atggcggtgg agtatgtatg ttgcagccca aacttcttta 360

tacatatagc tgtgattgtg tttcttgtct tgttcgctgg actcatgtcc gggcttaaca 420

ttgggtccta ngtccttgag tcncgttgat cttgaaagtt ctcgctaaaa ccc 473

<210> 2213
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-A9

<400> 2213

aggtctgttt caatctgacg gctggatttt gtcacagacc gccgccaagt ctgaagaggg 60

aagagaagtg gagaagatgg tgttgagtgc tgtgttttgg aagaaggttc agtatgtttt 120

gaaatcggtt gatccggtga tgcaggtgat tcacatgatc aatgatggtg gcgatagact 180

atctatgcca tatgcttacg gttacatgtg ctgtgcgaaa atggcgatca agtctattca 240

tagcgatgat gcaaggaaat acggaccgtt ttggcgggtg atagaatacc gttggaaccc 300

attgtttcat catccctctc ctatgttggc tgcataattt ccttcaaccc gggcaataca 360

aantaaccgt ccctgaattt tannggcgtc ctggaaggtt ttncccttgg agtttaacca 420

aatgcaatgg ntt 433

<210> 2214
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-B4

<400> 2214

ctgttacgcc tgccggtagc ngtccnanaa ttcangggtc gacccacgcg tccgcacatc 60

ctctgattaa ctaaaacgca cacaaacaag aaaaaaagct nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcga gacaaacatt 180

tcacattccc agagattgtg gtgtcgttgg gtacttactt cttagggtga ttcaggactt 240

gctaattata ggcaaaaaat ggttttgggt ttaagctcaa agaacagaag atgctcatcg 300

gtacaagttt ttacctgatc cacattcatg acatcaagcc ttggcctcct tctcagtccc 360

ttcgatctcc tccgctctgt tgttatccaa tgggagaatg gtgaccgcaa ttcctggtac 420

caacttctgt tgttgcccnt cctcttgggt tccgtcaatt ggcgaaaggc aaaatccgag 480

ttcaacgaat c 491

<210> 2215
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-B9

<400> 2215

cgggatcttg ggagttggag gttcggatca gagtcgagca acagccgtcg tggtcgctag 60

tagacgaaga tggctaaaga ggcgagaaac atggctggtg gttctcggtg ttgctcttca 120

cgccgtctac atgctaagca tcttcgacat ttacttcaaa acgcccatag tccacgggat 180

ggatcctgtg cctccgagat tctctgagcc gccggctaag cgacttgttc ttctcatctc 240

ggatggttta cgtgctgaca aattctttga gccggacgan gaaggcaaat acagagcacc 300

cttcttgagg natatcataa agaatcaggg ggcgttgggg gtgtctcctc aatgcctcgt 360

cctcctaaca ggantctana acttggncaa tggttgcta 399

<210> 2216
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-C9

<400> 2216

gttacgcctg cccntaccgg tccgnaattc ccgggncgac ccacgcgtcc gggatgccag 60

aagaagctcg aagatcgacg atgaccagaa actacgtgcg tttttacgac aagagaatct 120

ctcaagaagt cagtggagat gctttgggcg aggagttcaa aggatacgtt ttcaagatca 180

agggtggttg cnataagcaa ggtttcccaa tgaagcaggg agttttgact ccaggccgtg 240

ttcgcctttt gcttcaccga ggaactcctt gcttcaagag gacatggaag gagaactggt 300

gagaggagaa gaaagtctgt tcgtggttgc attgtgagcc ctgatctctc tgttccgaac 360

cttgtcattg tgaaagaagg ggtgagaacg attctcctgg gcttacgant cctgagaagc 420

ccaagaatgn nagggaccna ngagaagcct cccaagattc ngtaancggt taacccccaa 480

g 481

<210> 2217
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-055-Q1-E1-C12

<400> 2217

gaaaaaaaac agagctttac aatttctctc tacagagatc gaagatatgg aaggcaagga 60

agaagacgtt agagttggag ctaacaagtt cccggagaga caaccaatcg gaacatcagc 120

tcagagtgac aaggactaca aggaaccacc accagctccg tttttcgaac ctggtgagct 180

ttcttcatgg tctttttgga gagctgggat ngctganttc atcgctacnt ttctctttct 240

ctacancact gtcttgactg ttatggggan gtgaaaangt caccgaacat gtgtgcttcc 300

gtcgggatcc nnagggaatc acttgggctt tcggttggta tgatanttgn cttagtcnac 360

tgtnncgctg gtanctccgg gtggganaca tcaacccaag cggttacntt ttg 413

<210> 2218
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-D11

<400> 2218

acgcgtccgt cttctcactc tgttttcgtt tagagagatt ttgcagagat gtcgagacga 60

gcaatggtga taaagatgcc aatacttatg atactgattt catcaatggt gatgacgatg 120

gtcgagtctt cgagatcagt taataatggt catgacgatt ctgagatctt acgaagacac 180

ttgctcacta atggcctcgg agtcactcct cccatggggt ggaatagctg gaaccatttt 240

agctgcaaca tagatganaa aatgatcaaa gaaactgctg atgctttggt taccactggc 300

ctctctaagc ttggntacan ctatgttaan atcgatgatt gctgggctga aatttctcgt 360

gacagcangg gaagtctggt gccaaangaa gtcanctttc ccttctggaa ttaanggcg 419

<210> 2219
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-D8

<400> 2219

gggtctaccc taagaatctt ccacatagac agcccttgct ccccccttcaa atcancatcc 60

ccactctcat gggaagcgcg tgtgctccag acgctggctc aagaccaggc ccgtctccag 120

tacctgagca gcctcgtcgc cgggagatct gtantcccca ttgcctcagg gcgtcaaatg 180

ttgcaaagca ctanatacat tgtcnnggct ttgatcggta ctccggctca gccgctgctc 240

ctagccatgg acacgagcag tgacgtggct tggattcctt gctccggctg cgttggctgt 300

ccntctaaca cggccttttc ccctgntaag tctacatcct tcaaggaacg ttagctgcan 360

gcgctcctca gtgnanngca ggtaccaaac cncacgtggt ggagca 406

<210> 2220
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-E12

<400> 2220

ctctcttgaa aaatctataa ccgatttctg caatggcgac ttcagattcg aggtcttctc 60

cttcatcatc cgacaccgaa ttcgccgatc caaatcctag ctccgatcca gagacgaatt 120

cggagcgtgt tcaaagtcaa ttagagtcaa tgaatttatc tcaacctagc gaagtctctg 180

atggtagcca caccgaattt agcggtggcg gcgatgataa tgatgatgag gttgcatcgg 240

ctaacgggaa cgaaggcgga gttagcaatg gaggtttatt gcgtgaaggt gtggcgggaa 300

ctagcggagg agaggttttg ttaagggcgg aaaatccggt ggaaatggna agcangttga 360

aggaaccacn cgaagtccgg actagtagnc ggttacgaat ggaga 405

<210> 2221
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-F4

<400> 2221

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aaagagaagg atttttggac tgacacagag aatgctataa ggaatgccta cagatcaaca 120

gatgccgtga tattgcagca gtcccttaag cttggtaaag gcggatcaac agctgtaacg 180

ggaattctaa ttgatggtaa aaagctagtt gttgctaatg ttggagactc cagagcagtg 240

atgtctaaga atggtgttgc gcatcagcta tctgtcgatc atgaaccaag caaggagaaa 300

aaagaaatag agagccgagg tggctttgtg tcaaatattc caaggggatg ttccacgagt 360

ggatggacaa gttagcggtt gcaagagcat ttggagataa nagcttaaag ttacatctga 420

gctcagaacc ggacataaca caccaagaca attgatgatc acactg 466

<210> 2222
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-F9

<400> 2222

caatcatgct tcttcatttc tagttctctc ttcctgactc atttccctca ttagatcttc 60

ttctccacta aacccataat tgaaagaagc tctttttttg cttacattga agttaaaaaa 120

tcatcacttg ttttgttttt gaagaaacac acataaagtt tgtcttttta cttctcaaat 180

ttggttgttt tcactcaatt tcaatcttgc tttctgattc agantctggg ttttcttcag 240

aattcccaga gaagttgttg gaattgaatt tttcactttt ttgttcataa aagttctagt 300

ctttttagat gaacatggga caaggaanca gagcaaancc taaattantt acctttgggt 360

caagagcgat ccctttggca atggcaatga ngga 394

<210> 2223
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-G3

<400> 2223

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tttttctttc atcctctaaa aaaaaatctt tctggtgagt aacgaaaaaa atgtgtccgg 120

tggagaacaa atggttaaag gtgggtcaaa aaggagctgg tcctggggct agaagctcac 180

atgccatgac cgtcgttggg aacaaagttt actgttttgg tggtgagctt aagccaacga 240

tccatattga taacgatctt tacgttttcg atcttgagac tcaagaatgg tcgatagctc 300

ctgcgaccgg agaggctcct ttcccctggt tttggtgtct cgatgggnaa cgatcggttc 360

aacnatctat gtctacngtg ggccgtgacc nagaaacggn gatacaaacg gncttcattt 420

cgtaatgata ctgaggacca attagtggna attggttggc tcctgttgaa ggaagg 476

<210> 2224
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-053-Q1-E1-G4

<400> 2224

tcctcaagct atctcctttg tgtccataat cgaaacgctt tttgcgattt atcctaatct 60

tttttctatc ttctgctaca aatttggttc ttttttggtt gaatttggat aaaatcataa 120

tctcctcttc aattttcttg tgaaatggaa gtttcagtga ttggaaatcc tcaagcgagg 180

atctgcagag cagaattagc ttacagagag cttggattta gatttggctc tgatgtaatc 240

tccggtgaat cgagaaatag ggttagtttc tgcaaccaaa gctctaaatg gaaagagatc 300

gcgatacgtt gctcttcgag atctgtcaaa tgtgaagcca tcgtctccga tgacgcttct 360

ccgtttctca aatccactcc aaaatctaaa tcgctcgaga gtgtaaaatt att 413

<210> 2225
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-G5

<400> 2225

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tcggtcatat gttggctggg attttgagga agaacggtgt tgatgatcag gggattaact 120

tcgatactgg agctanaact gctttanctt tcgttacgtt acgtgctgat ggagatcgtg 180

agtttatgtt ttaccgcaat cctagcgccg anatgcttct tcgtcctgat gaactcaatc 240

tcgacctcat cangatccgc caaagtgttt cactatggat caataagttt gatagtggga 300

gccgtggtan gtcagctcat ttgaaggcca tggaagtggc gaaagangc 349

<210> 2226
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-H4

<400> 2226

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ctctctctct ttctctttga ttcaagtttc caaaaatgga aggtttgtgt ttaaactctt 120

tcactcgtgt tttactttta ttgttcgttt tcttggtttt tttctcataa atggnaacga 180

gtcaacgcgg tcgaaccggt tttggagctg gtaaaaggct ttgaagctaa accggactcg 240

tcnatcgact cgttccaagc ctctcctcac tgactcaaac gggnaacttt tcantcgggt 300

tctaaggggt aaacgggtca ccgttntctc tcncnccgnc acgcanccaa atttaaacng 360

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aaactcct 428

<210> 2227
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-H5

<400> 2227

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ctcgtgttct cgggtatgat cgcgagtagc atatacgacc gggaagcaga aaggcaagct 120

cacggctccg tgtttgatcc agatgacgcc cttagatgca atggttctat ctgtttcttc 180

ttgacatcac tcataatgtc tggattctgc atcatcgctt gcatgttgag tatgattctt 240

gtgcgtcgta ccaantctgt ctacactcat ctctatggca agacccgcac ctaagatctc 300

tgttcccttt tatannatna tcgtgcncag cttcttantc tttggggtnt ngtcgtcana 360

tctangatcc aanatggttt tccgtctccn gtanccgatt tttttggctt ggttcctggt 420

anc 423

<210> 2228
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E1-B8

<400> 2228

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cagaattcac atgggttttg tctaaaaatc ataaaaatca tatcttttta cggatttgaa 180

gatgaatcag aattcctctg ttgcggaggc gacgcttcag cttaattccg gtgaaaaacc 240

atcgccggga tcgattccgt ttatctcctc tggtcaacac ggaaacataa gcacntcagc 300

gacgagttcg acaagcacaa gctcaggtaa gtgctcntgc cgtagttaaa tccgccggtg 360

aanaaancaa ctnaagatcg ggcatantaa agtcgatggt cgtggacggc gaattcgtat 420

gcc 423

<210> 2229
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E1-E5

<400> 2229

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ttggtgatgt ctataaagcg tttgataagg acctcaataa agaagttgcc attaaagtaa 120

tcgacctgga agaatcagaa natgagatcg aagatattca gaaggaaatt tcagtattgt 180

cacaatgtcg ttgcccatat atcaccgaat actanggttc ttaccttcat cagaccaagt 240

tgtggatcat canggaatat atggccggtg ggctctgttg ctgatnttcn tcantctaat 300

aatccgttgg agtgnaacag caatcgcnct gtatcacacg cnatttgcgt tcagcnggtt 360

ggaatattcc gc 372

<210> 2230
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-A1

<400> 2230

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tcgaggaatc ggaagcagag gcggtgatcg gaatcgaatc ggaccaccgc ctctgccggt 120

agccttgtcg tcgtctactg aatttggcga taacgcgttg tcgtcgcggt ggacgtcgtg 180

gcttgttccg atgttcgttg tggctaacgt tgcggttttc gtcgtggcga tgttcgttaa 240

taactgtccg aatcatttcg agtctcaccg tctcagaggt cactgtgtcg ccaagtttct 300

cggtagactc tcctttgagc ctctccgaac taatcctctc tttggtccat cttctcacac 360

attggagaag ttaggagcac ttgagtggag cananttgtg ggagaagaag gaacgttggc 420

gtcncctgga catgtatant gggtncacgc ggggtgtta 459

<210> 2231

<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-A2

<400> 2231

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agctttgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccgttact 180

cttgacacca tcaaccccaa ggttatcaaa tgtgagtatg ctgtccgtgg agaaattgtc 240

aacattgctc agaaattgca agaagatttg aagactaaca aggacgctta tccctttgat 300

gagattatcn actgtaatat ncgggaatcc ncaatctctt ggncaacagc ctatagnatt 360

cctcagaaga ggttcctggc ntt 383

<210> 2232
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-053-Q1-E1-D10

<400> 2232

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actctgttct gtggagaaac actagtttta cattcgagag tttggaaaag ttattattat 120

ggtaagtcaa tcagctggtc aaacaagatt tcgaacattc aagtacgaga acaacggaga 180

ctcnagcaga ncaacaattg tagtgagagt tattgcttgc ttccaaccga nggatanttg 240

tcaggctgaa tacttnagac atatactcaa accagtgacg tagttggttt gtgagcttgt 300

gtttgtattt ttggagctgg naccttttt cnttntgtct ctactttctt atacgantgt 360

ttcaagaaag aatcaanaag tgtngcgttc cacacattng gggc 404

<210> 2233
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-054-Q1-E2-C7

<400> 2233

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attttcttcg ttttttttgga taccgattcg attctctctc accgattttt gaggttctct 120

atttttcgtg gataagaaga taaagttatt gtttattgat aagttttctg ctgggaagtt 180

gcaacttttt ctagatttag gacgttacaa atttcaatca tgagtgcatc atgggcagat 240

gtggctgatt cagagaaggc cgtttctcag tcaaagcctc cttatgttcc cccacaccta 300

cggaacaggc catcagagcc tgttgctgct cctttgccan anaatgatca tgcagggtat 360

ggtggtcaac cagctgggtc tcngttgggc tcctcc 396

<210> 2234
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 2234

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agaggcagat ctgttattct ctgttgaagt ctgattgatc tgatcggagc tattgcggag 120

gaggggttta ctgcaattgc acggtggtaa tggctgcggt tccgcctnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccacgtct caaatatcan aggatgggtg 300

gcaacgttcc tgcgttgcta tctaacgatg ctgcttcctg catcgctgtt gctgcgagga 360

tgatcgcgct tggtacgcac gacggtaccg tgcgtatcct cgatttattg ngggaatcag 420

gttaaagaat ttcgtgccca cactgctccg gttaatgaca tcaactttga cactnaggga 480

gagtatatcc 490

<210> 2235
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-G6

<400> 2235

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tcttctctct tgttcttgtc ttttatcttc ctctcatgtg ctctgcttat ctcatcacaa 120

caatctccat cacagccaca ttctgagcct ccgtcacagc tacctttga gcctccggta 180

gagtcaccat tcttccctcc gtcacagcca ccaatattcg tgccaccgtc acagccacct 240

tctttgcctc cgtcacagtc tcagtcacct tctctcgctt gcaagtcaac tccataccct 300

aagctttgcc gtacgatcct caacgctgtc aaatcctcac cgtcagatcc ttaccgttac 360

ggcaaattca ctannnagca atgcctcaag caagcaagcc gtctaggcca aagtcatcac 420

cagttacnc 429

<210> 2236
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-H12

<400> 2236

acctgttcnc gcctgccatg taanggtccn agagggtcga ggnacccgtc cgcaaccacn 60

gaatctcgac tttgatcaat tgagagagaa atgaacaccg gcggtggcca atacacggat 120

tttccggcgg tggaaactca cggaggacag ttcataagtt acgatatctt cggtagttta 180

ttcgagatca catctaagta tcgtcctccg attataccaa ttggtcgtgg agcttatgga 240

atcgtttgct cngtgttgga tacggagacg aacgagctan tagcgatgaa gaagatagct 300

aatgcttttg ataatcatat ggatgctaag cgtacgcttc gtgagatcaa gcttcttcgn 360

catcttgatc atgaaaacat tatagctata agagatgttg ttccaccacc actaagaaga 420

cagttcangt gaggtttat 439

<210> 2237
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-H7

<400> 2237

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catgcacagg ggatggaaat gcaatggttg cacgggccgg tcttccactg cangacttgg 120

agtttgttca attccatcca actggtatat atggggccgg atgtctcatc accgaaggat 180

ctcaaggtga aggtggtatc cttanaaaca gtgaaggtga acgttttatg gaacgatatg 240

ctcctacagc caaggatctt gcatcaagag atgttgtctc cagatccatg actatggaaa 300

tcagggaagg tcgtggtgta ngaccgcata aggatcatat ctatctccat ctgaatcatc 360

ttcctccaag angttctaaa agaaaggctt cctggaaatc tctgagaccg ctgccatccn 420

ttgctggt 428

<210> 2238
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-A1

<400> 2238

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gtctttcttg tgttgcaagg aagcagctaa aagggttatg agaggaggtg gtggaagaat 120

cattatgatg tctacatcaa tggttggtgg tctcgccccg ggttatggag tttacgcagc 180

atcaaaggcc gcctttgaga caatggtgaa agtgttggcg aaggagctta agggaagccg 240

gataaccgcg aattgcgtgg cgccagggcc ggttgcgacg gagatgtttt atgctggaaa 300

gagtgatgaa acggtgaaaa tgcttgcagg ggcttgtcct atggggagga tcggtgagtc 360

aaaggatata accganattg taagggtttt ggccccgtta agggggggaa aggggnttaa 420

acggccaa 428

<210> 2239
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-A11

<400> 2239

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cttcgcaatt cccggtttat gtcttgtttc cggtttaagc tctggtggat ggcccanaga 120

atgggagaaa tgggccgaga tattccctac gagacgcagt tcttattggt cgagagcaac 180

gatgggtccc accttgantc tgacggagct aacggngtcn agtgtaacca gaaagtttac 240

accgttttct tgccgttaat cgaaggatct ttccgttcgt gtctccaagg aaacgttaac 300

gatgaggttg agctctgttt ggagagtggt gacgttggac actaaacggt cgtcgtttac 360

tcactctctg tatattcacg ccggtacaga ttcgtttcag acaata 406

<210> 2240
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-A2

<400> 2240

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acgtgaagat tagagattca aaagccacca agactgcaat cttgccattg tctcagtacc 120

tcttggatcc acaaactcaa gctcancagg cgcggttact agcaactttg gcccttggtg 180

atcttttcca gaatgaagct cttgctanaa gcaccgatgc agcttctgct tgccgtgctt 240

tagtcaatgt ccttgaagaa caacccacag aagaaatgaa agtagttgct atatgtgctc 300

tgcaaaatct cgtcatgtat agccgatcta acaaaagagc agttgccgag gcaagtggtg 360

tgcaggtcgt cntggatctg atcaattcca nngatcctga aacgtccggt caagg 415

<210> 2241
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-A3

<400> 2241

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cgcgtccgca caattaacat ttcctagcaa aaaccttaat tgtgtttcca tctcaggagt 120

gattcgaaga aggaagtatc tactagaagt cttcaactgg tatatctcag agcaatggaa 180

acacaattaa ggtttttgct aggaaatgtt aaattgggaa gtcataagcg gcatcagata 240

tggttcttga agaagtttct tttgggtccg gagaaagaaa cacttttgat agatatagtg 300

agattcgttt gctgtgttat tcatccaact aacgaaatca tcagatcaga gatcatgcca 360

agatgggcta ttataggttg gcttttggaa ctgtgtaggc aaaatcatca catcgagcga 420

agcgttatgc tggctctgtt ttacgactgg ctcntccttg accaaagaat ccataanatt 480

tt 482

<210> 2242
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-A4

<400> 2242

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tgttgcccac tagaagcaat acttgccata ctcaaacaga caacatcaag cctccaaccc 120

aatgtgacag ttactacact tgtcctgana gcaacacttg ttgttgtctg tttgagtatg 180

gcaagtattg ctttgcttgg ggatgttgcc cactagaagc agccacttgc tgtgatgaca 240

actatagttg ctgccctcac gagtacccgg tttgtgacct tgatcaagga acctgtttat 300

tgagcaagaa cagtccantt aatgntaang ggcntaaagc cttaanccgc aatnccantc 360

cggncacaca gggcaaaagt acatttcnaa aacatttggc tctctcaaaa nnggactcgg 420

ggtcacaggg agaaaagatt tcncccctaa ggggnttttc caaggngttt taaaggggtn 480

gtgttta 487

<210> 2243
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-A5

<400> 2243

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tctcttctcc gttcatcttc cggtagatct gccgccaaat tagtcaaccg aaaccccagg 120

cttccttctc cttcacccgc gcgtcacgcc gctccatgta gctacctcct cggccgcgtc 180

gccgagtatg cgacctcttc accggcaagc tctgctgcgc catcctctgc tcctgctaag 240

gatgagggga aaaagaccta tgattacggt ggcaaaggtg cgatcgggcg tgtttgtcag 300

gtcatcggtg ccattgtcga tgtgagattc gaggatcagg aaggattgcc tccgatcatg 360

acatctcttg aggttcagga tcatcccaca aggctggtgc ttgaggtgtc tcatcatttg 420

ggtcaaaatg tcgttaggac cattgctat 449

<210> 2244
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-052-Q1-E1-A7

<400> 2244

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tgtaggaatt ggcaaattaa aggttttgat tgacgaaatt ggtgattaat tgcttaagct 120

gctggtgctt agaggaagat acgtgttgct gatttcaatt tgcttccaca atgttgcttc 180

aactacaagt tgttaaagct tgattctttt tgggacatga gcatgtgact tatgaaagtt 240

ttaagtcttt atttgtgatt tgagctggct aagagaagac tcttgtctct gtttgatagt 300

agtcatggtg atcattctcc tattggtctt ctttgttggt tcttctgtga gccaaccatg 360

tcatcccaac gacttatctg cgctccggga attggcagga gcgttgaaga acaagtct 418

<210> 2245
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-B3

<400> 2245

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gatgctaaag gaatacttag cttgtatgaa gcggcacact tgggaacaac gacagattat 180

atattggacg aagcgttgaa gtttacatcg agccacttga agtctttatt ggcaggaggg 240

acgtgccggc ctcatatctt aaggcttata agaaacacac tttatttacc tcaacgttgg 300

aatatggaag cagtaattgc aagggaatac atttcgttct atgaacaaga agaagatcac 360

gataagatgc tactcagatt agccaagctc aatttcaagt tattgcagct gcattacatt 420

aaagaactga aatcntttat caaatggtgg atggagctaa ggcctaaatc caant 475

<210> 2246
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-B4

<400> 2246

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atgtgttttt gggtccttct cgtcgtantc ttgaacatag ntgaaaagga cccaaaanca 180

catgatggaa tggatttgag ganagttaca actaaggatt tgantgcnaa attcggtctt 240

aaanaanata ctantgactt tatnggtcat gcagtggcac ttcactgtna tgacaatcat 300

ctccatcaac ctgcctatga tacngtaatg agaatgaagc tctacgcaga gtcccttgca 360

cgttttcann gaggttcacc atatatctat cctctctatg ggttgggaga attgcctcag 420

gcatttgcac gacttagtgc gtcnaatggn ggggacntta taagtttaaa naaaactgg 479

<210> 2247
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-052-Q1-E1-B8

<400> 2247

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aatggtgatt ttataagcca ttggcanaat ttgcagtatg gccgctcttg ccagaattct 180

caacatccgc ctgtgttgta ncctgctcct gttgtagtgc cacctgctta tctccagggg 240

cgtttaccat gggatggtcc tgnaagacct ctggcttaca ccaatgctgt gaatcaactc 300

atgacctacg gacctcgtct tgtaccggtt gctcctgtac aacctgtttc aaccaggcca 360

cccaacattt aacctcgtta cgctatgaaa atcccagata tcnaa 405

<210> 2248
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-F8

<400> 2248

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gatgctggat atggtggacg cggtgcctct ggcggaggta gttacggcgg acgcggtggt 180

tacggtggag gcggtggtan aggaaatcga ggcggtggag gtggtggata tcaangaggt 240

gatcgcggtg gaagaggaan tggcggcgga ggcagagatg gagattggcg ttgtcccaac 300

cccagttgtg ggaacntgaa ctttgcaacg agagttgant gtaacaagtg tggtgcactt 360

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gtgga 425

<210> 2249
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-C4

<400> 2249

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnaaaa ccctaatttc tctttttctt ctctgatcaa aattggtttc 180

gaaaagggag gagagtgaaa gatatacata catacacacg aaaggggttt aagatgtctc 240

ttccgctact ggagtgtaag tacgtgacgg aggagtttgt tcgtgaaggt aagaatggca 300

actatggaac caagctgccc agctctgtgc cgatgcttcg tttcctctac gagctctctt 360

ggattttggt tcgtggcgaa ttgccaattc agagctgtaa ggcagtgttg ggaaagtgtg 420

gagtttttgg ataagccatc gagagaagaa ttagc 455

<210> 2250
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-C6

<400> 2250

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caacgtagtt agagatcgac actggcgcgg tggatttagg gttttttttcc tccgcgacta 120

cgctcggcgt ttcgatttgg aaccctaagc tatgtggaac aacaacgatg gtatgccctt 180

agctcctcct ggtactggcg ggtccatgat gccgccacct cccgctgctc atccttctta 240

cacggcgctt ccgccgcctt ctaatccgac tcctccggtc gagcctactc ctgaggaagc 300

ggaggctaag cttgaggaga aggcccgaaa atggatgcag ctaaattcca aacggtacgg 360

cgacaagagg aagtttggat tcgttgaaac tcaagaaggg aggacatgcc acctgagcac 420

gtcaggnaga ttatc 435

<210> 2251
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-C9

<400> 2251

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tcaaatgaaa aagccctaat tttgatcgtc taaatttcat acatgggtgc gaacgagttt 120

cgtttcttcc tctcctgcga tatcaattcg ccggtcactt ttcgtatcga gaagcttgat 180

ggaaacctcc ccgtcaagaa atcgtctgat tcgggagttg tctccatcgc agaggagaan 240

aaaccagagc tttacattga gtgtgcattg tacattgatg gagctccttt tggccttccc 300

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tcagttc 367

<210> 2252
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-D11

<400> 2252

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attttagaca aggcttcaga ggttaaggcc ttgctgaaat caggggagag aaattatcta 180

ccttttaaag ggaagtctat gtctatgatc tttgcaaaac cttccatgag ggactcgggt 240

ttcgtttgag actggttttt tcttgctcgg tggccatgcg ttatatcgag gtcccaatga 300

cattcagatg gggtaaagcg ggaaggaaag ctcgtgatgt ttgcncgtgg tcctttcaac 360

gccaaanatg gggaatcagt aacggggccc ctgntatttg gcccaacang ggaaattc 418

<210> 2253
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-D12

<400> 2253

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tcctctcgac cctgctgctt tttctgatgc actagttcag atttatctgg ataatgctgg 180

tgatctggaa cttgttgcca gnagtttaga gtcatctgat cttaatttct caagatacgg 240

tgatattttc tttgaggttg ttttcattgg aggacgtact caaactggtt cagtgaaatc 300

tgatgaaggg gaacaccacc cttactctat aatcgactgt gaaccaannc cgtngaaagc 360

tantttacca tcaattgtat acanacanga aantttttgc ngnngggaaa accctcccta 420

agtaagaaac ct 432

<210> 2254
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-D8

<400> 2254

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ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nngagtcttg acaaaaccca aattccaagt tcacatcttt tcnagttgtt ttcatgttta 240

agatttttgg tcccttctga cttggacata gattctattg aggaattgag tacgtaattg 300

aaatggatct atgcntgctt tacnagttag ttanaagtca aatctctgaa ttgcttctga 360

tnaattgcag aaacaggtca caggtctgtc tnanatagtt acattgatgg ggttgctcnt 420

ggntatcgtg tcacaggaga naagntacag aaattgatgn gacaaa 466

<210> 2255
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-E10

<400> 2255

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tgtcaatctc tttcaggcag tttgctatgt actcattcga ccactgtcta ngaacacata 180

cagaaaaatt aaccgggtgg ttgcanaaac cttgtggttg gagcttgtat ggatagttga 240

ctggtgggct ggagttaana tccaagtgtt tgctgataat gagaccttca atcgaatggg 300

caaagaacat gctcttgtcg tttgtaatca ccgaagtgat attgattggg cttgtgggat 360

ggattctggc tcaccngtca ggttgccctn gngaaagcgc attaanctgt taagg 415

<210> 2256
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-E3

<400> 2256

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tcaatgcctc cgttaaaatt caatcttcgt ccatctcctc accgtggtgt ttcgtgtccg 180

catcgtcgtt gactccccga gcttcctcca atattaagag gaaatcgtcg aggtctgatt 240

caccatctcc tatattaaac ccagagaaga attacccagg tagagttcga gatgaaagtt 300

ccaatcctcc tcaaaaaatg gctttcaagg cttttgggtc acccaaaaag gagaaaaaag 360

agtctctttc tgattttagt cgagaccaac agactgatcc tgccaagatt cacgatgcat 420

cctttctcaa cgctgttgtc aaggtttatt gcactcatac tgctcctgat taatcccctc 480

c 481

<210> 2257
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-E6

<400> 2257

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taatccttct cagagatatg tcagtaatgg atgaatcagg catgtttaac gttcaacaaa 120

ccattggaag tgtattgtgt tgcaagtgtg gtgttcccat ggcaccaaac gcagccaaca 180

tgtgtgtgaa ttgtcttcgt tccgaagtcg atatcancga aggtttacag aanagtattc 240

agatcttcta ttgccctgaa tgcacttgtt acttacaagc caccaaagga cttggatcaa 300

atgtcantgg gaatctaaag agcttttgac attttgtatc aagaggttga agaatctcaa 360

taaggttaag ctgaagaacg ctgaattcgt ttggactgag cctcattcna agaggattaa 420

ggntaagtt 429

<210> 2258
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-F11

<400> 2258

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nngatggatg tcttatagaa tgaacaaaac atcctctgtt tctcttgtcc ttgtcccttt 120

ttccagatct taaggttttc cacattttat catctgggtc ctctccttaa tgatttgaag 180

acactcaatt cctatttgat cggggactag aatttggatt ctgtttcang acaaaagtag 240

atttccctgt ctctttcccg tttgattttc aataagatga atccggagga gcaaaagatg 300

gaatctgcat cggatctggg caagctcttc attgggcggg atttcanggg acacagatga 360

agaacgactg naaggagtat tttggcaagt attng 395

<210> 2259
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-F2

<400> 2259

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aggtgtgcat cttcttggaa tcagctgact ttgcggtcaa tcggatttct tgggattgtt 180

tggagaaact ttggaggtga tggacaacaa aaatgatcag gatattgatg ttagatcagt 240

ggttgaagct gtttccgccg atctttcctt tggngctccc ctctatgtgg ttgagagcat 300

gtgcatgcgc tgcnaaggaa aatggnacaa ncagatttcn antgacctta attcctcact 360

tcagaaaggt cntaatatct gcanttgaaa tgtccgcatt gcgggggaaa gggataatga 420

actttcagtt ncgc 434

<210> 2260
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-F5

<400> 2260

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ttgaggagtt ccattatata cccacagaag tcaaataact caggatttgg ttggcgagat 180

ggagactctg atgacctttg tcagaccgat atggatgatc tctgcaacat tgaatcagtc 240

anaaacaatg ttttgtcaca gtccaccgat ttaaacaaga gttttaatcc catgtgtgat 300

tccacggata actggtcttg caagtttgat gaaagcccaa aagtgatgaa aagcanatct 360

aacctgcttt cttaccaagc ntcncaactc ccanactggn nttccatngt gaggancgaa 420

accatcttaa catttgccng gg 442

<210> 2261
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-C2

<400> 2261

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aatgttcctt aatctctctt tttgattagt ccaatctcca ctaatctctg acctcagatc 180

gcttccgacg ccgctgaact gtgtccgtct tgatctgtgt ttaggagaaa gcttctaggg 240

tttttgtttt ggttgctgag tagaatttgt tggatctgaa acggaaatca aaatgggctt 300

tttcaagtac gatactagga ttttgtggat ttgganttgg gatttcattg ggacttgtta 360

ttggttacgt tctcttcgtc tacttgctcc ccaacgacgt caaggatcct gaaaatccgt 420

tcaaatancc tgaccaagat tcccanagct atgcntacgg gntgctccaa gaagaaaact 480

cc 482

<210> 2262
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-F7

<400> 2262

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tctctctctc tcgaagctct cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnncct ccttttgaaa gatcgaaacg tctccacaac ttctctttgc ctcaactccg 180

ttggggtcaa caaagattcc tcagatgcgt caatctacca tctcctcctc cttcttcttc 240

ctctcccgat cacgcagcca ccaatagatc cgtctccata gctggaagtt tcncttacnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnngaagctg cgtgtangtg aacctggcng anagaattga aanttgggng 420

ttaaagnang agaaagaagt atcaatccga ntgagtgg 458

<210> 2263
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-F8

<400> 2263

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gttggtatat attacggcgc caaggtttct ttgatcgatt tcttcttctt cttctggaaa 120

attatctcgt tttccgtttt tagttctttg agtttgggat cgttcaatgg agcccaacgt 180

agtggacatc gctactcctc ctgccgcttc ntgctcgaga attcgaacgc caacaaaggc 240

tgaaactcca gaagtgattg atgtggagga atatgatttg caaaacgggt ggngttccta 300

atgggcaaca atggttgatt atcagaacaa aggggaaagg ctatagangt ttgantccaa 360

ggtcttacgn ggtgaccatg 380

<210> 2264
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-050-Q1-E1-F9

<400> 2264

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cgcgtatgag ttaatggaca ctgatctcca tcaaatcatt cggtcaaatc aagcattatc 120

cgaagaacat tgccagtatt ttctttacca gatcctccgt ggattgaaat acattcactc 180

tgcaaatgtg cttcacaggg atttgaaacc aagtaatctc ctcctgaacg caaactgcga 240

cctaaaaatc tgcgattttg ggctagctcg agtcacttct gagagtgatt tcatgactga 300

atatgttgtc acgagatggt accgtgcacc agagcttctc ttaaactctt ctgattatac 360

tgcagctatc gatgtttggg tctgtaggct gtattttcat ggagttaatg ggaccgtaag 420

cca 423

<210> 2265
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G10

<400> 2265

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cagctttgcc ttcttccaca agggtttgct tgtagactgt gagaagtttc ggagaccaag 120

ctacttctgt tgctgtttcc ctttgtgtca aatccattgn acngactgaa tccttgcgnt 180

ttttnctcng gttttgncgg tannttatag nacacagcgg ctcttangna tgcttcgata 240

ttcattctaa gagattctga gaccaatctt gctcatgtan tagttantgt tgtattagta 300

ncattgattc ttccttcagt ttgatcncca tgaccgtttt ccnaaacatg atgaagtcgc 360

tgaggtaggg tatatcggaa ccggtgcatc cccaggtata angggacagg gtngaaacta 420

gcgttaggac ccgttgggct cc 442

<210> 2266
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G2

<400> 2266

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tgcgtgctgt ggttccttaa cccagacagc tatgctgata ctcctgagaa gcagaaaact 180

attctgcaga atttcttcga gcacatggca atcaagatta ctcggcgata agctttacaa 240

aatccgagta gttctcacaa tgaacaacgt cagattctca ctcttacagg ttgagaagct 300

angccagaga aagcttcttc ttccttggag agtctttcnc acacgattca gaaagctttg 360

gtgcattcca agacacatta acaatccaga agcctatgct agtctccaga ccaantctcc 420

taatgtcntt aatcnccatc cgcctttctg acatcnagtt tggtaactac acctctcttc 480

ttcgcnaaat ctct 494

<210> 2267
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G3

<400> 2267

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tccgggagaa aaagggncnn agaaatgggc gggtcgcaaa tatctgggga gtagtttggn 120

tatcgtcgac tcttcagcat tataataatc ggatttatat ccgagattat ccgattccgt 180

gtcactcttc taatccaatt tgcaattctt ttaatttcaa aagacgttcg ttctctcctt 240

cntcccccaa atttaacgac catgtcgtta acccttcctc ttcttattta tcctccaagc 300

tttctccaat tcgaacccat tcctctttcg ctgcgtgtgg ctgctcctgg attcaagaca 360

attcaatggt tcatgattat gctacancaa ctaatgggac gtccaagcgt tgctcggcgt 420

taccaacaac angacacagt gggatgtctc ntcggtgtca agatcttttt gaattcataa 480

ngctccgggt cctctcgtaa aaca 504

<210> 2268
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G4

<400> 2268

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actctctgaa tctcacaaga acattgcaag gtaaagaaac cacaagatca tcactcgaag 120

taaaaatggt gagcccattt agatctccat gttcttcacc caaaaaatca agaaaagcaa 180

gcaagaaccc ttattcaaat cgtggacttg ataaattctc tgagcttctc tccgagctag 240

acgagaagag gcaaagcatc tactcgaaga agctcgattc cggtggcccg cctcttgttc 300

gatttgtgtt cacaagctcc ggtgagtgtg tccccgttgt gatcagatca tcttatcttc 360

acaagaagaa caagaagacg aaagatgttg tagctgataa agtcaaaaca gaagtcaagg 420

aagcaaanac aagagggaaa tcaagaacac agagcctgaa acaggagcaa aaaacaagag 480

ctgtgtttat aaacg 495

<210> 2269
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G5

<400> 2269

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ggtgggattg cctctgtaat cgccggttgc tctactcacc ctctcgatct aatcaaggtt 120

cgtcttcagc ttcacggtga agcaccttcc accaccaccg tcactctcct ccgtccagct 180

ctcgctttcc ccaattcttc tcctgcagct ttcctgnaaa cgacttcttc agtccccaaa 240

gtaggaccga tctcactcgg aatcaacata gtcaaatcgg aaggcgccgc cgcgttattc 300

tcaggagtct ccgctacact tctccgtcag acgttatatt ccaccaccag gatgggtcta 360

tacnaantgc ttaagaacaa atggactgat cctgagtcag ggaaanttgn atccngagta 420

gggaagatcg gtgcaggg 438

<210> 2270
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G7

<400> 2270

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gttattaggt tgattgttct caagtacctc cagtgtcaaa caaacattga cgattgattc 120

tcttcccata atttattgtt atgcattaca tatcacagta aacggacttt cagtcaacac 180

cgcatttatt tgccctcttc attgtttcac gtacgtaatc aaggaccaag ggattttctt 240

cttttggcta ccatggccac aanatgcttt tggtgttgga ccactttgct cttctgctct 300

cagctgctta ccggctttgc ccgagcttcg nctgcaggcg gcgccaaaga gaaaggactc 360

tcccaaactc ccacctgggc cggttgccct cgtctgtacc ttccttcaat tn 412

<210> 2271
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-G9

<400> 2271

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tgttttactt tctgttttcc tcttctctac tctggaacaa caactacaca cacacacaaa 120

aaaaaacaat tttctgtcta natanatatt aaggatccaa attagggaga gaccaaagag 180

gaaattaata acaatcaatc caacaacgaa tggagattga agaagcgagt cgtgaaagtg 240

gacatgttgt gtgcggatca tggattcgtc gcccgaagaa agtaaantgg gttcttatcg 300

cnaaagcttc naaacgccgt ggctcatctg tttcntctcc tgctctcctc aacatcntct 360

cttttgaccc cattactgct tctctttcct cctctccttt ggcaacacac acgcntaagg 420

<210> 2272
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-H8

<400> 2272

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tggcggaact aaagctatca gagagtcggg acttaaccag agtcnagcga atcggcgcac 120

actcacacat cagaggacta ggtctcgact ctgccctcga gccgcgagct gtttccgaag 180

gtatggtcgg tcaagtgaag gcgcgtaaag ccgccggtgt aatccttcag atgattagag 240

aagggaaaat cgcgggtcgg gctattctaa tagcgggtca acccggaacg ggtaagacag 300

cgantgcaat gggtatggcg aaaatctctt ggcttggnaa ctccttttg cgatgattgc 360

aggangtgaa attttctcat ttnnagatgt caaangacaa gaagnctttg actcagtctt 420

tccgtaaan 429

<210> 2273
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-A8

<400> 2273

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tttttcttac ccttctcctc ttcttatcat ctgcaattct atctttctct ctttatgaag 180

atcaagccgg cctcactgat tggcaccaaa ggtacattgg gaaagtgaag catgcagtat 240

tccacactca aaagactgga agaaagcgtg ttatcgtctc aaccgaggag aatgttgttg 300

cttcacttga tctcagacat ggggagatat tttggcgaca tgttctcggg acaaaggacg 360

ctatcgatgg ggttggtatt gccttgggaa aatatgttat cactctttca tcagaaggaa 420

gtactttaag agcctgnaac cttcctgatg gtcaaatggt gtgggaaaca tctctgcata 480

ccgn 484

<210> 2274
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-A9

<400> 2274

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ttttgctttt cattttgcca agtttccgtc taaatctctc tactttaaaa ctccggcggc 180

caacgtttcc accgatcctc cgacttcttt ccgagtttca tcttctaaca aaggaacgaa 240

gaagctctct tcaccgtttg agtaacgtga tccggtctac aaagaaatca gtctgcggga 300

gaaagtggaa gaagactgaa gatgaagaga gctaagagaa gatgttcaca ctgacactca 360

aaagcgaaag cctgaagttt cgtctcgagg ngaaaca 397

<210> 2275
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-B4

<400> 2275

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accggcggag gtatcagatc tcgccgatct gttgtagcag ctactgtatt ttgggcttct 180

catttgatat tggggaaacg aggagtagag gacgatggaa aatctgatct ctctggttaa 240

caagatacag agagcttgca cggctttagg agaccatgga gactccagcg ctttacctac 300

tctttgggat tccttgcctg cgatcgccgt cgttggtggg tcagaagctc agggaagtct 360

tcagtcctgg agagcatcgt tgggaaagga ctttttaccc cgtggatctg gcattgttac 420

tcnaaaggcc ccntgtctaa agttgca 447

<210> 2276
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-051-Q1-E1-C11

<400> 2276

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tttgttcgtt ctgattatct gacaatgata ttctccaagc ttggttcttc cctcgctcga 180

tcctcacgtt ctaagggatt tgtgtacggc ggtggtgtga gatcggcggt atttaaccaa 240

gggaggttac gagcgccgca gaatctcgag gcggccgtca atcaggtgga tggtggatta 300

gggtttttga ggcggcactt tgcttctttt gctgctcgaa anggactaga agccggtgat 360

ttaagccgtg ctttcgctaa ccctagattg cgtcnggttc ctttcg 406

<210> 2277
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-050-Q1-E1-F6

<400> 2277

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caattcagat gaaatcctcg ccgttaaatc atctgaggtt caccgctcag agttcttgca 180

aagagaagcc aagattctct cgtcgttaag ttctccttac gtgatcggat acagaggatc 240

agaaaccaag agagagtcaa acggtgtcgt tatgtataat cttttgatgg agtacgcacn 300

gtatggaacg ttgaccgang cggcggcgaa agacgggggg aagagtcgac gaggactcgg 360

ggtagtgaag gtanacgcgc gatatactaa nnagggattg gagtatatac antccg 416

<210> 2278
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-B4

<400> 2278

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ggtagcgaaa gctatggagg ataagataga cgacgagata gcgtctctgg aaaagcttnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnna cggtggatga gtattggaca tggtgaatac tctgagattc attctgagaa 300

agatttcttc tccgttgtta aatctagtga acgcgtcgtt tgtcacttct accgtgagaa 360

ttggcctgta aagtgatgga taaacacatg agcatattgg caaagcaaca cattgagaca 420

cgtttccgtg aa 432

<210> 2279
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-B6

<400> 2279

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cgaaaggcca tggggagata ccgtctgtga tccatggatc tccgatcggg aaaccgtatc 120

caagctccgt ggctagtctg cgctctttgg actttgaaaa cttagcgaac tgaaacatct 180

aagtagctaa aggaagggaa atcaaccgag accccgttag tagcggcgag cgagagcggn 240

tttgggattt taagaaaaag aaagacgaag cttcgttcca aagtgttcac ttctttttcg 300

ccaggtttca ttcgatttan tgtggattgg atgatggnaa aaccancaag ccctcttcct 360

tcagtcgagt tacttcgtan cttgactgaa gaatcctaaa agggcgctgt taaactgtta 420

attgtgnaaa aggttgggaa gatct 445

<210> 2280
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-C1

<400> 2280

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caaagtctgt ttgcgtttga tagcattaga gtctgatcga atttggaana cctgtgagat 180

tagggtttct ttttgtttgt ttttttttat tccgaaggag agctgcggag caattggaat 240

tacctcggtt aaagcaatca cgtagctttg gatcgtttag ggttttctca ttgggtttgg 300

gggatttgta ttctagcttc ctcaaactca atctgatggt gatgtgaaga caaggcttaa 360

tcctgttaat tggcgattct agggtttttc aatggcgaac acaggcgaac ctgaccgtaa 420

aaggcgtcac tttagctcca tatcaccttc tgaagctgca gncgccgtaa aagaaacagc 480

cntt 484

<210> 2281
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-C3

<400> 2281

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atggtgagaa tgatgaggaa ggcggtgagg ttgcagaccc aanatggntc accattaaag 180

cagctctgct gctactgtta ggagctgcca ttgcagctgc atttgctgat cctttagtcg 240

acactgttaa caacttctcc gcagccacag ggattccgtc tttcttcatt tccttcatcg 300

ctttgccttt ggccaccaat tcaagtgaag ccgtgtctgc cancatcttc gcatcccgca 360

naaagatnag aaccggctcc ttaactttct ccgagctatg tggtgggagt gacaaatgaa 420

caacattct 429

<210> 2282
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-C4

<400> 2282

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ggtttcctta aaccttccgc tacaatcttc tcctcttaca tgcgaagctt ctccgattct 180

caagttttga tagcggctta atactcgcaa ttatggattt cgcagccaag aaattcatca 240

acaaccccaa cgatgttgta actgagttca tagagggtct ggtagaaact tatcctggac 300

tccagtattt ggatggtttt cctgaagtta aggtggtgct acgagctgat gtctcggctg 360

caaaatatga caaggttgcc gttatctcaa gtggaggcaa tgggcaatga gccaacaaat 420

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ctccccaaca antt 494

<210> 2283
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-D10

<400> 2283

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cagtcgtcgt catcatctct gacagcaagg ttattcacat aggcaaagaa gtcattcttt 120

tgcatgctgt tttccaataa agttaattcn ctaacagaac aagtttcgag attggatatt 180

gacgacaacg atatgggact tggaggtagt gaaacaatgg aatgcaagtg tggtatgcct 240

ctgtgtatct gtgtagctcc tcccaaatca actgataaac caaacccacc tgctaccatt 300

gctcctgtgg ttcttcctca gttgaagtca naggcttcag canaaagtaa aggttccact 360

tccagcagca atgctagatc agctctaaat gctggactag acacccccca aagagactat 420

gaagccagtg gggagggat 439

<210> 2284
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-D12

<400> 2284

ccgccaaatt agtcaaccga aaccccaggc ttccttctcc ttcacccgcg cgtcacgccg 60

ctccatgtag ctacctcctc ggccgcgtcg ccgagtatgc gacctcttca ccggcaagct 120

ctgctgcgcc atcctctgct cctgctaagg atgaggggaa aaagacctat gattacggtg 180

gcaaaggtgc gatcgggcgt gtttgtcagg tcatcggtgc cattgtcgat gtgagattcg 240

aggatcagga aggattgcct ccgatcatga catctcttga ggttcaggat catcccacaa 300

ggctggtgct tgaggtgtct catcatttgg gtcaaaatgt cgttaggacc attgctatgg 360

gatggn 366

<210> 2285
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-D3

<400> 2285

aaaagcatca accaaaccat ggctgcgaga aatttggaga agatggcttc tattgatgct 60

cagctcaggc ttcttgctcc tggcaaggtt tctgaagacg acaagcttat cgagtacgat 120

gctctgttac tggatcgatt tctcgatatt cttcaggatt tgcatggcca ggatgtcaga 180

gaattcgttc aagaatgcta cgaagttgca gctgattacg atggaaaccg caacactgag 240

aagcttgagg agcttggaaa tatgctgacg agtttggatc caggggattc aattgttgtc 300

actaaatcat tctccaacat gcttagcttg gctaatcctg gctgaggaag tccagattgc 360

ttaccggcgt angattaaga aactcaagaa aggtgatttc gctgatgang gcctctgcaa 420

caacggaa 428

<210> 2286
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-D7

<400> 2286

acgcgtccgc ccacgcgtcc ggttgcnatg gaccaacgca ccaatgtgaa cggagatncc 60

ggcgccggan accggaagaa agaagaaagg nttgatncga atgnanaacc ancgttcaag 120

attnggngat ataaaggggg ngaatcccaa acantgttgg gttaaaaatc ccttttgaga 180

tcaatgaagt tacgtcgtca ganacattat cgccgtcgcg gctttggcca tcgctgccgt 240

gtangttgat agctggttcc tttggcctct ttattgggcc gcccaaggaa cacttttctg 300

ggccatcttt gttctcggcc acgactgtgg acatgggaag tttctcagac attcctccaa 360

ctgaatantg tgggtggnca caatcctcat tccttcaacc ccgttcctta naatgggttg 420

gagaataaa 429

<210> 2287
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-D9

<400> 2287

cttcntcttc ttcgttgaat ccgtcatcct ccgatcactg aagaggtttc cgattacnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnntct cgaggcatca acganacgct ttcgctccca ttcatnattg tttgatctct 180

atcaatccca gcacatcttc ttcatctcta ttctcggntt cttccttctg ttcgtctcca 240

cattcnaatg gagatggaaa gattgcangg ccgtnagtgg agtatgaacg cagaatcgta 300

gctggagagt tattggatgg agatttatgt caagctaggt acactaagag aacttcaaga 360

gactctacga cg 372

<210> 2288
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E1

<400> 2288

ttgccaaggc aatggcggct cctcgagact tcatggtgaa caaagtcccg ttccccttac 60

cctctcctca gatcttcaac ctggatcaaa tcaatgcact tacaaccgat acacttgtat 120

ctgacaacgc cttgaagttt caggatctgg accttgtccc ccataaattg aagggatatc 180

cggtcgagtt tcttatccaa tattgcaagg gtggnccnaa cttcggttca acggcnntng 240

aaagntncca acnaanctct aaccctgnng ctggnctccc cggtcaaaag ncaattcctg 300

gactaaattt ttcaagcaag tgtcncaaat gagattgcgg gaancanatt tgcaagtttg 360

aagacttcaa tttacntccg gncaataata aaacggggtc cccctccttg gtggggttcc 420

ctgaaaaaaa ataan 435

<210> 2289
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E10

<400> 2289

aactttcatn tacaacanaa aaagttatan aaatggccaa agacntggaa ggacctgagg 60

gatttcagac aagagactac naanatccgc caccaantcc gtttttcgat gcggacgagc 120

ttaccaagtg gtctttatac agagccgtca ttgccgagtt cgtagccnct ctcctcttct 180

tgtacatcac cgttttaact gtcatcgngt tacaagattc actccgacac aaaagccggt 240

ggacttgact gcggcggcgt cggaatccnt gggatcgcgt gggcttttgg tgggcatgat 300

cttcatccnt gtctactgca acgccggtat ctcaaggtgg tcacatgaac cctgcgggtg 360

acgtttggtt tgttcttagc ccnggacgt 389

<210> 2290
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E11

<400> 2290

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cgtgggacaa tagcgtccta tggctcgtgg aggaaaccaa antgatgcat ttctgaagaa 120

natcctcttt tttgttggaa tctgtgtggt gatatttctc atctggtgaa aacnaatcac 180

atttggtgta tttccaggta tgatcaaact tacttacttg gtgcaagttg tgtatgtaaa 240

tatggtnata gctgagtgta cttgtctgct atttcgacgt tgttattgta tttttgtttt 300

gaanatgaac cgtgagtcta caagcttttt tacacaactc ttttgttgct tttgtgtttt 360

gtctaancat cntgtgaaaa ctagttgtga caataaatgg tgccgtgtta ngacataaga 420

agtattat 428

<210> 2291
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-E12

<400> 2291

gggccaaaat tcnggggccn accaanncnn cggncaaggc ntcggcncnc ncttctnctt 60

cncncnattc natggcttta ntacgtgaac gtcgtcagct aaatctccgt cttnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngtcg 180

ctggctgtaa cggaatctcc gcttgtgatc tcgagaaact caacgttctc ggatgcggaa 240

acggcgggat tgtttacaaa gtccgtcata aaaccacatc ggagatctac gctttgaaaa 300

cagttaacgg cgacatggat ccgattttca caagacagtt gatgcgagag atggagattc 360

tccgccgtac agattcaccg tacgtcgtta agtgtcacgg aatcttcgag aaacctgtcg 420

tcggtgaagt atcgattcta atggagtata tggacggngg gac 463

<210> 2292
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-B3

<400> 2292

ntgttacgtt gccgggccgg tccanaattn ccgggtcgac ccacgcgtcc gcccacgcgt 60

ccgatcgttt caatttctaa aattctcctc tctcaacgca atcaccaaat ccaaatttag 120

ggtttctttt ctctttctgc gatcgatctc tgaaaactca taactgttgt ttaatcgtga 180

agatggcatc aaacggatct ttctctgctc agagaaacgc aaacgctaga acaacgatga 240

agagaagaag cgacaatcgc ggttacggtg gcggaatcgg aggttatcaa gaggagacga 300

accgttacgc gccgccgcaa aaacgtttca gatcacaagc gcaacagcaa ttccgatctg 360

gtcataatcc tctgtatcat catcatggta gtaataataa taacgtgtct agggtttctt 420

ctcaatcata taacaattgc ggtgttgatg tgattgcttc taattcaaag ttttgcatta 480

cgtt 484

<210> 2293
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-F7

<400> 2293

ggggtttacc ccgggaacgt gttgtctcta cacatgacga agccacaagg attcaaatac 60

aaaagtggac agttcatgtt ggtgaactgc cgagccgtat ctccattcga atggcatcct 120

ttctcaatca catcagctcc cggagacgat tacctgagcg tacatatccg cactctcggt 180

gactggacac gtaagctcag gaccgttttc tccgaggttt gcaaacctcc taccgccggt 240

aaaagcggtc ttctccgagc agacggagga gatggaaacc tcccgttccc gaaggtcctt 300

atcgacggtc catacggtgc tcccgcacaa ggactacaag aaatacgacg tggtactcct 360

cgtaggtctc ggcattggaa gccacgccta tgatcagtat ccttaaggac atc 413

<210> 2294
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-F9

<400> 2294

tttctcttct ctctgtgtta ccctcttgaa attttccgcg aaaaatctca acttttccat 60

ctgaaaaccc cccaaaatca aacaattgga tcttgatttt tagctgtgat ttagtgatta 120

agaggcttag ggtttgtggc gaaatgttgg tacagagaag agtaatgagt tggagaagag 180

tctggaagtc gtttcaagcg gcttctgcgc attgtttact cttctccttc acgcttcttc 240

tcgctttgaa gcttgatcat gttgtttctc attcatggtg gtttgtattt gcacccttgt 300

ggttgtttca tgctgtgatt gctcgtggta gattttcatt gcctgctcca tcaatgcctc 360

atgatcgaca ttgggctcct tttcaactcg gttatggcaa n 401

<210> 2295
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-G1

<400> 2295

ggggcgcggc ggagccatgg ttctcaagac tgagctttgc cgattcagtg gccagaaaat 60

ttaccctggt agagggatca natttatccg atcggactct caggtgtttt tgtttctcaa 120

ctccaaatgt aaggaggtat ttccacaana aattgnagcc ancnaatctt tnctcggaat 180

gctnnggtga ctggacaagt aaacncagga ccgtttnctc caaggtttgc aaacctccta 240

acgccggtna aagcngtctt ctccgagcag acgggncggt gctactttgg aggttattca 300

gaagaangcg agcagagaag cctgaagttc gtgatgccgc tagagaanct gccctacgtg 360

agatcantga gagaatcaag gaagaccaan ggnccganga angaaggcaa agaanggtca 420

attt 424

<210> 2296
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-G3

<400> 2296

agatcggaaa cgacaaacct aattttcccg aagaatcgag accattatgt ggaggagaat 60

cgtttcatcg catcttaant ccatctccgc cgtcgggtcc tgcgcggntc cgtcntgcat 120

gnacgccntc ntagactcgn tncanctttc nctcactact acgaacactg gtggatctgt 180

ttcatattcc tccatattct ctcgtttaat cggctccgct gcancggata ctgctgtgaa 240

gaagcgtgtt gaaagatgtg atgcctattg caaccggtca cgagaaagan gaactacaag 300

ccgaattggg aggggatgaa gctggacgat atanactttc ctgaagggcc ttttggaaca 360

aaggaagctc ctgctgtagt caaaatccta ctacgacatg anaatacttt ggtngcctgg 420

aaggtgg 427

<210> 2297
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-G7

<400> 2297

actggcggct taaacctgga ggtggaggtg tgaatgcagc aatattcaaa gctgctggtc 60

cagatcttga gactgcgaca agagtacgag caaacactct tcttcctgga aaagccgtgg 120

tagttcctct tccttctact tgtccattac acaatgcaga aggaattaca catgtcatac 180

atgttctagg accaaacatg aacccaaacc gaccagacaa ccttaacaac gactacacca 240

aggggtgcaa aactctccgg gaagcttaca catctctatt tgaaggtttt ctatcagtag 300

tacaggatca atcgaagttg cccaaacgaa gcaagtcaaa cagctgtgtc agattctggt 360

gaggatatta aagnaagact ctgagagaaa a 391

<210> 2298
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-H2

<400> 2298

acgcgtgggt ctcactacca cgagctcttc atctccactt ccttctccga caacgcttcc 60

gtcgctctaa acctccacac cctcacgcgc cgccctcatg tagccggtac agtggccaac 120

gctgaagcat cggaatatgt tcgctctgtt ttcacctcct ctgctctcaa atcanacgtc 180

gttgcttacc aagtgtctct aacttaccca gttcatcgct ctttggtact aangccgaca 240

gactctgcaa agccaatcac tttcttgctg gnacaanaaa aactcggaga caatccttat 300

gctaatgaag tgatgcctac ttttcatgga tacgctaagt caggtaacgt ttcaggtcca 360

gtggtttaag canactatgg gcgagtggna agatttcgtn aagaactcca g 411

<210> 2299
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-H8

<400> 2299

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cagtggccgc cggcaggtgc gccgccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ttttagttga caaccataat 180

cgtcctcctt atgacgagct gcggacaatc ttcatcgcag ggcttcccga tgatgtaaaa 240

gagagagagc ttttgaatct cttgagatgg ttgcctggtt acgaggcttc tcaggtgaac 300

ttcagcggag aaaagcccat ggggtttgct cttttctcca cagctcagtt tgcaatgggc 360

agncanaggt acccccttcag canaatgg 388

<210> 2300
<211> 377
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-A10

<400> 2300

agatcaaaga acanggagaa atgctccatg ggaacgatna caaagcttcc gccgtgaaag 60

gaacttcang ggcgcagagg aaagcaaacg gggatattgg acagactgag aaaagctatg 120

aatctcactc atacagcctg agaaaagcct tgaaatctgc aatgtanatt acctaaaatc 180

ttgtttcttt tttttacttt atttggctgt aagaattttt gtaaattatt catatcttta 240

ggatctgaat ggttattggt tttcgtatgt gagatgtaag tagaaatctg tgtgaatagt 300

ttttgcgttt gatgtttctg gagaaatcaa tcaataaaat caatgttggt ggctttattc 360

acaaaaaaaa aataang 377

<210> 2301
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-A2

<400> 2301

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aggttaatcg aatatttcac tatttgcttt ctatctttct gctgcgaatc aatggcgcta 120

tggatggacg ctggagcgac gccgaccacg gagaaggaaa aggctgatct tgaagctatt 180

tctgctctca aagaatccac cgccatcgaa ttcaaagaag agggcaatga atgtgtaagg 240

aaagggaaaa agcattactc tgaggcgatt gattgttaca cgaaagccat tagtcaggga 300

gttctaagtg attcagagac ctctattttg ttctcgaatc gatcccatgt taatctactc 360

ttaggcaact atcggcgtgc cctcaccgat gctgaaggaa tcaatgaggt tatctcctca 420

taacgttaat gcggtgttac nagctgctaa ggcatccatg tcattgggat tttgctgaac 480

gangcaaagt 490

<210> 2302
<211> 443
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-A4

<400> 2302

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gggaaactaa gtcttcatga agacgatgaa gagatctttg gagtgttctc tttcatcttc 120

tggacattta cactcattgc tcttttttaaa tacgttttca ttgttctctc agcagatgac 180

aatggagaan gtggaacatt tgcgttgtac tcgcttcttt gtagatatgc caagctaagc 240

attttaccaa atcatcaaga aatggatgag aaactatcaa catatgcaac gggaagccca 300

ggagagactc ggcaaagcgc agcggttaaa tcattctttg agaagcaccg aaatctcaaa 360

agtgtttgtt gctctttgtt cttttaaggg acatgtangg ctattgggtg atagtgtcct 420

cactccaaca atctcagttc ttt 443

<210> 2303
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-A6

<400> 2303

angccatggg tttaggcatc ttancttctc gaananttcg accaancttc acgtcttctt 60

caatctcaaa cctccaattt cttcctcngc acaatcgtct caaaaccaga gctccaatct 120

cctgaatccg ctgctgtctc tgagcctgag ccgccgacac agattctccc tcctanaaac 180

cctgtangtg gagcacgcgt ccacttctcg aatcctgaag atgcgatcca ggtctttgtc 240

gatggttacg cggtcaaagt ccctaaagga ttcactgttc ttcangcttg tgaggtcgct 300

ggagttgata tcccgangtt ttgtcatcat tctcgtttat ctanntgctg gaaattgcag 360

ggatgtgtcc tggttgaggg ttgagaaaat ctcccaangc ctgt 404

<210> 2304
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-A7

<400> 2304

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ggttaaatgg ggtaatgttt tagtcanact gatcaacaag tttcgtaaga agctgtcttt 120

gaaagttcag tggaggccct tgtatgatac cttgattcat gctcatttca ncangagccc 180

gggtcctgaa ggttggaggt taagacaacn acactttatg gctgttacct ccctcattcg 240

ttcctgtang agatttttc cacaaggggc cgcatctgag atatggtctg aattcatgtc 300

tcttttggag aatccttggc ataattcctc gtttgagggc tctggctttg tganattgtt 360

ccttcctacg aaccccgaaa atcatgattt cntctccgaa aagtggataa naaacgttct 420

agagctctgg gattcaatac caaattgtca attttggnat antcaatgga catctgtact 480

anctcgcg 488

<210> 2305
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-A9

<400> 2305

tccccttttgt tatctgacaa cgggttggtc ccntttgcaa aagcntcctt atcacntgng 60

agtcctcagc ttgaagaatg ccacagggtt acccaatttg ggtttttttgg ntccctttttg 120

aactgtggtg aaaagttgaa ggcnttctcn ctggtgaact gtntgagtat tagagatctc 180

accacaggat tgcctgcttc atctcattgc agcgctctgc gctctttgtc cattcgtaac 240

tgccctggct ttggngatgc aaatcttgca gccatctgga agttgtgccc tcagctcnag 300

gataatgatc tgtgtgggct caangggata acacagtctg gttncctana tcctgaatca 360

aaactctctt gtgaagatca actcagtggt tgtgccaatt tgactganac aagtgatctc 420

ctgccat 427

<210> 2306
<211> 430
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-B1

<400> 2306

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tttggattcg gaggtttttg tttggnagat ctttctgcgg ttttcaccgc catggctgct 180

ccgtttttct ctactccatt tcagccttat gtctatcaga gtcaagaaga tacnatcaca 240

cctttccaaa ttttgggtgg tgaancacag gttgttcaga taatgttaaa accacaagag 300

aaggtcattg ctaagcctgg ttcaatgtgc tacatgtctg ggtccattga gatggataat 360

acttataccc ctgaacaaga agttgggagt tgtacaatgg attttangaa aagagtgtta 420

agtagtanaa 430

<210> 2307
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-049-Q1-E1-B11

<400> 2307

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aattngtaac ctncggggna tncaaaaaan tccnattttt cctccaaccc cnaaattttc 120

agggagttcc ttnctnctnc ttttgaaaac cctttgtcat gagcnaattt ttancctccg 180

gtgtgttgag aaagatctca ttttttaagc tttaggattg agggagtttc gatttttact 240

tagcactttt ccttggaagt gatttggtgg gaactcatgg tgattgggtt tcttcctaag 300

gttattagag attgagttct ggatttttca cgcgccttgg gatttgannn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnctgtgt tgattaagaa tcn 473

<210> 2308
<211> 410
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-F11

<400> 2308

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cgccttagaa acccgtcatg gagaagcaat aaggaacaga aaaatgttga tcatttagga 120

gacatgacca acccacacag aagacaagaa cccgggaagt ttgctgtgct tcatcttcgc 180

ttcgacaagg acatggctgc gcattcagcg tgtgattttg gcggaggcaa agccgagaaa 240

ctctccttgg cgaaatacag acaaatgatt tggcaaggaa gagtgttgaa ttctcaattc 300

actgatgaag agttaagaag tcaaggacgg tgtcctctaa caccaagaag aaatgggact 360

tcttttagct gctttcggat tcgataacaa tactcgtctc tatccttgca 410

<210> 2309
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-C4

<400> 2309

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gtccgcccac gcgtccgccc acgcgtccgc ccacgcgtcc gtggagagag aaaagggtta 120

gatacagaga gatagcgaaa gagaagaaga agaagaggtc tatcgacaga gcaaacttcg 180

tcaagagatc cgttaaaagg atccatttgg agctccgatt cgagctagag tcaataatga 240

gcggaagaca gagatctgtt gcagcggcgg tgcatcacca gaggcagctc tccgataacc 300

ctctcgatat gtcttcatcc aatggcagat ggcttcaatc cactggtctt cagcattttc 360

agtcatccgc caatgattat ggntactatg ctggtgggca aggaggtggt ggtcaagcag 420

canggangat aacaanaatg ctcagagaag gaaaacgagt ttctttgggg aaaccaanct 480

gactcc 486

<210> 2310
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-C5

<400> 2310

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taataccccct tcctatcaga gccaacacgc atccagcatc cttcatcagc ctttgcgtat 120

gaaaatgatg aaacttgaat agagatcatt cgtatttcat cgacgtttct aattcgcaat 180

cacaattgtt ttcttcaagg aattggtttg cttgctttga tcctcagttt tgtcaaaggt 240

ctttttttt ttttcctgga cttgctaaaa tctcttgtgg cttttgctct gatacttgtt 300

agtttgggtt tcgtgagtct cgctttaaaa aggatatggg acanaagaga tgggntcttc 360

ntgtggggaa tttttgtttg nc 382

<210> 2311
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-C9

<400> 2311

agatgcgagt gagcttgcga attccatcaa acatccattc agaaacatct tgcagaaacg 60

acacaggcct cagctagtta tggctatttg catgccaatg tttcagatac tcacagggat 120

aaactccatt ctcttctacg cacctgttct gttccagaca atggggtttg gaggaaacgc 180

atctctctat tcatcagctt taacaggagc tgttcttgtc ctatcaacat ttatttccat 240

aggattagta gacagattgg gacgaagagc tcttctcata actggaggaa tacaaatgat 300

aatctgtcaa gtcatagtag cagtgatctt aggagtgaaa tttggagaca accaagagct 360

atcaaaaggg tactcagtga tcgtagtcat cttcatctgc ctctttgt 408

<210> 2312
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-D10

<400> 2312

acacaagttt tattttgttt tcttactata tataaatcac caaaagaaag taactttata 60

cacacgtcta ggtcgcacta ctattctttt aactacacaa tgatcggctc tttaattact 120

tttgtattga tgttcttcgt tttccttttg gtatcatctt tagatggtca gcgattgcag 180

caaaactgcc tggaagaacc gataacgaga tcaagaacgt atggcacact cacttgaaga 240

agagactcga agattatcaa ccagctaaac ctaagaccag caacaaaaag aagggtacta 300

aaccaaaatc tgaatccgta ataacgagct cgaacagtac tagaagcgaa tcggagctag 360

cagattcatc aaacccttct ggagaaagct tattttcgac atcgcctt 408

<210> 2313
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-D12

<400> 2313

aaattgaaaa caaatatatt tccacctgaa acaacataaa cagaatggaa ccttcaaaac 60

aagaagttcc aaagctcatg gagacaccac cgaacatatc aaacgattca tcagcaaccg 120

agaaaggaga agcaacaagg caacaacagc taccaaacaa taggtacgca ctcacagttg 180

acgaggtgat cgagcaacac attggagcac ttgggtttgc tcagatcttg catgctctct 240

tggtctctat cgcttggatc ttcgatgctc agaccactct tatatccatt ttctccgatg 300

ctcagcccgc ggcgaggctt cttgcaaccg gtgccatcgt ggagggtgcc tccttgtgtg 360

gattggccag tggagaatgg gaatggattg gaccaaagag tgacactgt 409

<210> 2314
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-D6

<400> 2314

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agcttctcta gcagctcaaa tccgtccctt cacatgtttg gccgcgtctc tgccgtcacg 120

gttggcgcct catccaccag acctcatccg gtggatcaag cgagaaggcg gcttcgttca 180

ccacgcggtt aagctctctc aggagactca atttggtatc ggactcattt ccaccgagca 240

aatctctcca ggcaccgacc taatctctct ccctcctcac gttcccttac gcttcgaatc 300

agatgattcg tcatcttcat cgtcctctct cctctccgca ttgggccgtc ngtgttccct 360

gaaggaactg tnggcantga aattgggatt gangttgtta caagaaagga gccaatggca 420

gattctttct ggtgggccat acattaggca anctcccggg aaaacntaaa actgggtccc 480

anaaatcct 489

<210> 2315
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-D7

<400> 2315

agaaaccttg aaaatccgag acatccacaa tgccgccaaa gttggatccg agtcagatcg 60

ttgacgtgta cgtccgagta accgggggag aagtcggagc agcgagttct ctagctccca 120

aaatcggtcc gctaggtctc gcaccaaaga agatcggaga agatatcgcg aaagaaaccg 180

caaaggaatg gaaaggatta cgtgtaaccg tcaagctcac agtgcagaat cgtcaggcga 240

aagtgacggt ggttccatca agcagcagca ctcgtcatca aggcgttgaa agagccggag 300

agagatagga agaaggtgaa gaacattaag cataacggga acatctcgtt tgatgatgtg 360

actgagattg ctaggatcat gagacctaag attctaattg ctaaaggaat tggagtggaa 420

caagtga 427

<210> 2316
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-D9

<400> 2316

ttttgcaaac taacatccgt ctggagatca taccgggaag atacagttct ctcaccgatc 60

ataagtttcg tgcgccgtat cgaattaggt gcgccgccgc ttcaccggtg aaaaaacggt 120

ataacatcac tctgcttccc ggcgatggta tcggtccaga agttatatct gttgctaaga 180

atgtgcttca gaaagctgga tttctccaag gactagagtt tgatttccag gagatgcctt 240

tcggcggagc agctttggat ttggtcggag ttccattgcc ggaggaaact tccactgctg 300

ctaaacagtc tgatgccatt cttcttggag ctatcggagg gtacaaatgg gacaagaatg 360

agaaacatct gaganctgag atgggtctgc ttaacat 397

<210> 2317
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E1

<400> 2317

ttctattgat aaattttata tcaaaaacct taaaaagttt cattggttta caaattttac 60

ctttttcgt tgtgtgttgc gtgtgttact aaatcactga agagggtaaa gagaaaaaca 120

aaacaaaaag ttcttagctt tggatgaatc tggaagtgat ccaaaacact ggcttattcc 180

actcctcttc tctagggttg aattgttagt taatagatgg cgacacttca ggatattggt 240

gtatcagctg ggataaacat tctcagtgcc tttgttttct tcataatctt tgcggttttg 300

aggcttcanc ctttcaatga tagantttac ttcacaaaan ggtatcctca aggggttaag 360

aagcagccat gnncatggtt aacgccatcn cagat 395

<210> 2318
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E11

<400> 2318

ggattcagat ctatacgacg aaactgaatc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnctggtaat gctactgatc 120

gtcaccgtga agctgagctt gatcgcttcc ccttgtgaac tgatctgatc tgagagttgt 180

ttctgtttcg taatctgtga atatgctgac caagttcgag accaagagta accgagttaa 240

gggtctgagt ttccacccta aacgaccatg gattctcgcg agtttacaca gtggtgtgat 300

ccagctctgg gattatcgta tgggtacttt gatcgacaga tttgatgagc acgaaggacc 360

tgttcgtggt gttcatttcc acaactcana gcctttattc gtctc 405

<210> 2319
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E3

<400> 2319

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ctggagcaaa gtatcgggga gaattcgaag acagactaaa agctgtgctt aaggaagtca 120

cagactcaga aggccaaatc attttgttca tcgatgagat ccatacagtt gttggtgcag 180

gtgcgactaa tggggccatg gatgctggta atctgctgaa accgatgctg ggccgaggcg 240

agttacgttg tatcggtgca accacgcttg atgaatatag gaaatacata gagaaagatc 300

cagccttgga gcgtaggttt caacaggttt atgttgatca acctacggtt gaagacacga 360

tttcattctc ccgtggtttg cgggaaaggt atgaactaca tcatggggnt cgcatcccac 420

aaa 423

<210> 2320
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E4

<400> 2320

ctgttacgcc tnccggtagc cggtccnaga attcaagggt cgacncacgc gtccgcccac 60

gcgtccggag ctcgctgctt acttcactca ctgtaaactt caaacacctc acctacggct 120

cgcgtacttc agtgcaatga ccgtctgcta caagtcaaag aacatggcta ctgctgctca 180

cttcgccaga agtttgttgg atacaaaccc aactattgag agccaggcca ggacggctag 240

acaagttatg caagcagctg aacgcaacat gacagatgca acaacactca actacgactt 300

tagaaacccg tttgtgatat gcggggtcca cttatgtgcc aatctacaaa ggacagaaag 360

acgttgcatg tccttactgc actgcccggt ttgtaccaag ccangnaagg taacattttg 420

ctcgggtctg tgatncttgc ngtcatttgg cgcangacgc catcctgg 468

<210> 2321
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E6

<400> 2321

gaatcagaag gagaatccat gataatccat agttaggtta tgaggaagta gagacatcta 60

agcttgttan agcagagttg gagaacatgg gtgtttctta taagtaccca gttgctgtna 120

cnggtgttgt tgggtatgtt ggaactggtc atgctccttt tgttgcttta agggctgata 180

tggatgcact tgctatgcan gaaatggtgg aatgggaaca caagagtaag gttccaggga 240

agatgcacgc ttgtggacat gacgctcaca ctacgatgct tctcggtgct gcaaaattgc 300

tcaaagaaca tgaagaagag ctacagggca cagtggttct aagttttcca accagctgan 360

gaaggaggag gaggtgcaaa gaanattgtg gaggctggga gtgttggaag aatgt 415

<210> 2322
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E8

<400> 2322

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agatgtcgaa ggcacttgca gtggccgaca tggatttgta gtggcgataa ctggaataga 120

tacaatagga aagggtttga tcagagatgg gactggtttt gtcacctttc cagttaaata 180

ccaatgcgtc gttttcagac ctttcaaagg cgagattttg gaagctgttg tcactttggt 240

caataagatg ggattcttcg ctgaagctgg ccctgttcag atttttgtgt ctaagcattt 300

gattccagat gatatggagt ttcaagctgg agacatgcct aactatacca catcagatgg 360

atcaagttaa gatccagaag gagtgtgaag tgagactaaa gattattggn acaaag 416

<210> 2323
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-048-Q1-E1-E9

<400> 2323

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agagctaggg ttggtccaag caaggtggtc atttgtgaac aaagatgaga atctcctcac 120

gaggctacaa aacataaact tatgtttcca cttcgaagta gaacaacaag tgaacggtgt 180

gtttctcaat ttcttcggat tcaatggaac cgctggagta tggaggatca aggcattgga 240

agaatccggc ggatggctcg agagaaccac cgtggaagat atggatatcg cggttagagc 300

gcatctcaac ggctggaagt ttatttacct taatgatgtt gaagtcactt gcgaagttgc 360

cagagtctta tgaagcttac aagaagcaac aacatcgttg ggngt 405

<210> 2324
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-048-Q1-E1-C12

<400> 2324

acgcgtccgc ggacgcgtgg gattctgaat tcaagatgta tgttacaagg catctctccg 60

aataccagag aaactcgtcg gacttgacac gatcgttgcc ggaaggtcca aactccggcg 120

tacttgtgat tcaagacgaa gagtcaaaac cgacttgttg ctttggaaat tgctacgatg 180

gtgaactcaa aggcttaccg ttcccacaga acgcaaagct gactgtgact tacagaaccg 240

gaactggtaa tgacaggcgc agttaccatg accaggttct gttcattccg gttcttgatc 300

agccttatta ttcgaaccgt tattatgtca ttaaacgacg tgggaagcaa tcaggaggag 360

cttcggcgag tgcaaaggaa gaagacagag tcccctgctg cttttgct 408

<210> 2325
<211> 492

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-F4

<400> 2325

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atcttaattc ttcataaacc ctaactttat taatcccttt tttagtttca tctttaaaaa 120

catttgtttt cttgaaaatg tcggaagaat tcgacgaatc tgagatcatt ttctctgaca 180

attactttcc gattcgccgg cgagaagacg gtaacgagaa agagaataac cgtccggtgg 240

atttccggga aaattctgag agagtgtgga acaagtcatc tagacggagt aaaacgacgc 300

cgttgccttc agcggtgacg gcgttttcta gttcgcttcc ggttaacata ccgatgagga 360

ggtattcgac ggaggaggaa tattccgatg acgacggang aaggaaaatg attccgccgc 420

atttgatagt tgggcggang atggaaagan gtcaaatggg cgttttccgt ttgtacaggt 480

aaccggaaga ac 492

<210> 2326
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-F8

<400> 2326

acgcgtccgg tttcaaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnaatcaa agatgcgaga gattcttcac atacaaggtg gccaatgcgg 120

aaaccagatc ggagctaagt tctgggaagt agtttgcgcc gagcacggga tcgattcgac 180

gggaagatac caaggagaga acgatttgca actcgaacga gtcaatgtct actacaacga 240

agcgagttgc ggaagattcg tcccacgcgc cgtcctcatg gatctagagc ctggtactat 300

ggatagtgtc agatccggtc cgtacggtca gatcttccgt cctgataact tcgtatttgg 360

gtcaatccgg tgccggtaac aattgggcta aaggacacta cactgaangg gctgaactta 420

ncgaatccgt tcccgangtt g 441

<210> 2327
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-F9

<400> 2327

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ctacgaggag gagctcttgg actatgaaga agaagacgag aaggtcccag attctggaaa 120

caaagttaac ggcgaagctg tgaaaaaagg gtacgtggga atacacagtt ctggattcag 180

agacttcctt ttgaaaccgg agcttctcag agctattgtt gactcaggat ttgaacatcc 240

atctgaagtg caacacgaat gtatccctca agctatcttg ggtatggatg ttatctgcca 300

agcaaagtct ggtatgggga agactgctgt gtttgtcctg tctactctac aacaagattg 360

aaccatctcc tgg 373

<210> 2328
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G1

<400> 2328

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taaagcatcg cagtatcttg cgatcaccgg tggtgggatc acagacatca agcttgcaaa 180

gaagtcttgg gtgtttccat ggcagtcttg caccgtcttc gacgtttctc cggtgaacta 240

cacgttcgag gttcaagcta tgagttccga gaaacttccc tttgttattc ctgctgtttt 300

cacaatcggt cctcgcgttg atgatcctca cgctctcttg ttgtatgcca tgcttatgtc 360

tcaacacgat aagcactcga atcacgtcaa tgagcttgtt canggtgtta tcgaaggaga 420

gaccgtgttc ttgttgcttc catgactatg gaagaagtcn tcaaaaggaa caaaggagtt 480

aaaaaaggaa 490

<210> 2329

<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G10

<400> 2329

ggatccggtg attgagccgc cgttgttggt ggtaaacaca gtcttatctg tgacggctct 60

tgactaccca ccggagaaac tcgccgttta tctctcagat gacggtggtt ctgagctgac 120

gttctatgct ctcacggagg cagctgagtt tgctaaaact tgggttccct tctgcaagaa 180

gttcaacgtt gagccaacat ctcccgctgc ttacttgtct tccaaggcaa actgtcttga 240

ttctgcggct gaggaggtgg ctaagctgta tagagaaatg gcggcgagga ttgaaacggc 300

ggcgagactg ggacgaatac cggangaggc gcgggtgaag tacggtgacg ggttttcaca 360

gtgggatgct gacgctactc gaagaaacca tggaaaccat tcttcaa 407

<210> 2330
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G2

<400> 2330

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cggaaacaac tcccaaagtg aaaggccacg tcgtaatctt accataccca gttcaaggcc 120

acctaaaccc aatggttcaa ttcgctaaac gtctagtctc caaaaacgtc aaagtcacaa 180

tcgccaccac tacctacacc gcctcctcaa tcacaacacc atcactctcc gtcgaaccaa 240

tctccgatgg attcgatttc atccccatag gtatccccgg tttcagcgtc gatacttact 300

cagaatcctt caagctcaac ggatccgana accctaactc tcctaatcga gaaattcaaa 360

tccacagatt caccaatcga ttgcttaatc tacgattcgt ttcgtccctt gggggacttg 420

aagttgctac attcnatgg 439

<210> 2331
<211> 450
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G3

<400> 2331

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gaaattaaag gaagctcgtg acaaggctgc ggattctgat gaagttcana aatgcgacag 120

tgaaatcgag gatctgcaaa acttgctgaa caatgatgtt ttgatcagtg gagtcaacct 180

agaaagtctt caaccaggat cttctggcat gactgaactt tataaggctc tccaggagcc 240

aaagtttcga gaacttgatt cagaagatct cctgacagag agattgttat cagcagagaa 300

ggactggaaa tcaacaatcn aactactcaa acacgccaca ctgaccctga agatcataaa 360

cttgggttct cttgagcaac agtcganata cgcttcaact tggtttgaaa nttcttcgac 420

ctgtgctcaa gaaattgcga catgctgcat 450

<210> 2332
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G4

<400> 2332

acgcgtccgg aagaaacgaa gcatcagtga tcttatcctc tcatagctac caccgaacta 60

actctctcca tcaccaccat aaccattgat tctactgtgg aaaaaataga aagttccaag 120

ctttttctca aatggttctg atttaagtaa gagtgaagaa aagtaaaaat agagtcagaa 180

atggagaanc agaggagaga agaaagcagc tttcaacaac ctccatggat tcctcagaca 240

cccatgaagc cattttcacc gatctgccca tacacggtgg aggatcaata tcatagcagt 300

caattggagg aaaaggagat ttgtttggga acaaggatat gagtggtctt gatcacttgt 360

ccttttgggg atttgcttgc tctagctaac actgcatccc tcaaaattct cctggtcaga 420

ctccagtanc ctacaa 436

<210> 2333
<211> 449
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G6

<400> 2333

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tctacagaaa caaaaatctg attgtttttc ccactttgca tctgttttga ggatgccagc 120

tacggatttt caaggatcat ttggaaggtc gttgctaagt ttacggcgag accaagttga 180

ctcatcaanc agtcgtctcc ggaagtagta gccaccacga gncanncacc anggaggttg 240

agctanattc gtttcanatg acaaagttcg ctgagaaatt catcggatct caacgcttct 300

tcaagacgaa cttctcactc gtcnaatggg atngggaaaa gcttcntgan tccttccctc 360

nggttgtnca aggaagaagt tttgaagcta ncngtattca nccnaccgna tttcagattt 420

gcgnaatcct ccaatgggcc cgtttgant 449

<210> 2334
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G7

<400> 2334

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tcaagcaggg accatttttt cacgacggaa tgaaagagtg gagctgctgc aagcaaagaa 120

gtcatgattt cagtttgttc ttggaaattc caggatgtaa aacaggtaaa cacacaactg 180

agaaaccagt tctggccaaa tcggttccaa aacatcctgt tgcggctcct acttcatctc 240

caagatgcca atgcagcaac aaaagactct tgctccagat gccggcaagg cttcttctgc 300

tcagaccatg gatcccaacc caaagaacag atcaagcaag accctgaaca caccgggaca 360

agcagaagaa gaaaaaatga acccttaacg cctccagtac aaaangctgt gatagacatt 420

aatcaaccgc aagtctgcaa aaacaa 446

<210> 2335
<211> 501
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-G8

<400> 2335

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ggcgcttggg tcggttgaga ttttcttgag taggcattgt cctatttggt atggttatgg 180

aggtgggttg aaatggcttg agcggttgtc ctacattaac tctgtggttt acccgtggac 240

ctctctaccg ctcatcgttt actgttctct ccctgccatc tgtcttctca ctggaaaatt 300

catcgttccc ganattagca nctatgcgaa gtatcctctt catggcgctc ttctcgtcga 360

ttgcaataac gggtattctc gagatgcaaa tgggggcaaa gttgggatca atgattgggn 420

gganaaaacg annagttttg ggtcattgga agngtttcct gcgcatccng gtttgctcct 480

ccttccaaan gtctcctcaa a 501

<210> 2336
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-H1

<400> 2336

aactgtttac gcctgccggt accgcgtccg aaaattcccg ggtcnaccca cgcgtccgcc 60

cacgcgtccg gaggtaccag agtagaactg ggtaccacaa catgtacaag gagtaccgtg 120

acaccactct taacggagct gttgagcaga tgtacactga gatggcatcc cgtcaccgtg 180

tcagattccc ttgcattcag atcatcaaga cagccactgt cccagccaag ctgtgcaaga 240

gagagagcac taaacagttc cacaacagca agatcaagtt cccattggtg ttccgcaagg 300

ttagaccacc aagcaggaag ctgaagacga cttacaaggc caacaagccc aacttgttca 360

tgtaaaacgt ctctgattga ctctttttg gggtggaatc gatgttgaag ctgtgctctc 420

tcccgttttg ggattttatc ggttattttt gtttttcaat atgttaagcg tactcatgaa 480

tgtgaactcc nactttgtcc a 501

<210> 2337
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-H10

<400> 2337

agtatgaccg ttacttgtac ccgcatttcc ggttctacat gagggaagtc agaacagtgg 60

tgtactctca gtttttggaa tcttacaaaa gtgtgacagt tgaagcaatg gcaaaggcct 120

ttggcgtttc tgtcgatttc atagaccagg agttgtcgcg cttcattgct gctgggaagc 180

ttcactgtaa gatagacaag gttgcaggtg ttttggagac aaaccgtcct gatgcaaaga 240

atgcacttta ccaggcaaca atcaagcaag gggatttctt gctaaaccga atccagaagc 300

tgtctcgtgt gatcgatctg tgagcatgct acatgtttct gtttcactct ttcgtcaagc 360

tttgcaactt ggaaactccg aacggtagaa tcttaaaggt ctgagaaa 408

<210> 2338
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-H11

<400> 2338

aagccatcat ggtttactat ggtaccaagc ctctttatac cttggatttg cagcttcaat 60

aatatgggtt ggtcagggaa cataccttac atcaattgcg agaagccatg ctacagatca 120

tggcctgcat gaaggttcgg taataggtgt cttcaatggg gaattttggg ctatgtttgc 180

ctgccaccag ctgtttggga atctcatcac acttgcatta ctgaaagatg gaaaggaagg 240

aagcaccaag tggcactacc ttattgatgt tggtgtttct cttcagtatg acattaggaa 300

caatacttat gttcttcatt cggaaaattg atggagaaga tggaaaagga cctgtgggtt 360

ctcctgtggg cttagttgat tccttggcat ctcttccaag ggatgata 408

<210> 2339
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-F3

<400> 2339

ngtagccgtc cgaaattcca gggtcgaccc acgcgnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnta gagatcctct gttttagcaa cccaagtgtc caccgaactc ttttctcact 180

ctctcggaat ttcaatgtcc gagcaatgat catcgatttc ttctgcaccg ccgttttaga 240

catcaccgct gacttcacgt tcccggttta cttcttctac acctctggag ccgcatgtct 300

cgccttttcc ttctatctcc cgaccatcga cgaaacaacc cccggaaaaa acctcaaaga 360

cattcctaca gttcatatcc ccggcgttcc tccgatgaan ggctccgata tgcctaangc 420

ggtgctcgaa cgaagacgat gaggtctacg atgtttttaa aatgttcggg taaacaagct 480

ct 482

<210> 2340
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-C8

<400> 2340

acgcgtccga gcattcacat gagaccttgg attggatttc agtcatggcg tgctgctggt 60

aggaaggtct cgttatcatc taaagctgaa gagtctctgg aaaacattat aaagcaagaa 120

acaaaggggg agattattta cttctggaca agattagaca tcgatggtga tgcgtatgga 180

agtaaaaatg ctcttacatt ctggtctatg tgcgatatcc ttaaccaagg aaactgcaga 240

accacttttg aagatgcatt ccggcatatg tatgggttac cagaacacat tgaagcgctt 300

cctcccatgc ctgaagatgg tcatcactgg tcttctctcc acaattgggt gatgccaact 360

ccgtctttcc tcgagtttgt catgttctca aggatgttct cagaagtctc ctaagatgca 420

ctgcacaaca atcttaacga ctcc 444

<210> 2341
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-C9

<400> 2341

tttctttcct ttatcatatc catcatccca aacctagcta aacccacaaa tcatatctta 60

ggattactac aatacacaac ataccaaatg aaattgtatt tctgttgaac tttatgcatc 120

catagttata tatatttacc agaaatcaag caagttgagg aaatcatcca aggcttttgt 180

tttgatggag gaaaacccgc atcgagtttc acgtagaaac catggcggga cccactgtca 240

aaacgacgcc gtggacgaag agaaccgtcg acgacggcat aaccaccaca ctcacggcga 300

cgaagtcaaa tgctccagta agagatgccg atcgtgggcg gctgcggcga ttgctgactg 360

tgtagcgctt tgttgctgtc catgtgcgat natcaacctt cttact 406

<210> 2342
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-D1

<400> 2342

ctgttacgcc tncccgtagc cgtccgaaat tcnanggtcg acccacgcgt ccgcagctac 60

tggttccttc agtttgattt taaggcaatt gaggcagcaa cgaattgctt tttgccaatt 120

aacaagctaa gtcaaggtgg tttcggcgaa gtttacaagg gtacattgag tagtggacta 180

caagttgcgg tgaagagact atcgaagaca tcaggacaag gtgaaaaaga gtttgaaaac 240

caagttgttg ttgttgcaaa gctccaacat agaaatttgg taaagctgct tggttattgt 300

ttggaaggag aagaaaaaat acttgtctac gagtttgtgc ccaacaagag ccttgatcac 360

ttcctctttg actctacgat gaaaatgaan ctagactgga caagaaggta caagatnata 420

ggaggaantg cctagaagga atccttaacc ctcatcaaga ttcacgactc acaaattatn 480

ccatccaaga cctcaaagc 499

<210> 2343
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-D12

<400> 2343

tcctcttcat cggccattat aaagctctgt tttttattac cctgttttat aaacagagga 60

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cgattgtttt ttttaatcgt ttcttcattt ctgattcatt tttcttggtt tatgatctgt 180

tcaagtaaag gaacaatctt aatcgctaga ggtaaaaatt caaatacaat ccctagatta 240

cccctaaaag ggtcatccac aaattacgcg aatcgaattc aaattcgaaa cccaatcagt 300

gtcaaaactt tccggcgatc atcttcatcg tcaatggcgg tggaaacaat gtcgatggga 360

tcagattcat caactttgat tctaacatca aggagcaagc ggtcgc 406

<210> 2344
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-D2

<400> 2344

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aacctttgcc aaaatgaaga agggagttcg aattgttaat gttgctcgtg gaggtgtcat 120

agacgaagat gcgttagtga gagctctgga tgctggtatt gttgcgcang ctgcacttga 180

tgttttcacc aaagagcctc cggctaaaga tagcaagctc gtgcagcacg anagggtcac 240

tgtgacacct catcttggag ctagtaccat ggaggctcag gaaggagttg ccatcgaaat 300

tgctgaagct gttgttggag ctctgaatgg agaacttgct gctactgcag tcaatgcacc 360

tatggtttct gctgaagttc tgaccgaact gaaaccatat gtggtgctaa ccganaaact 420

aagaagactg ggcaatgcaa ctgggtggcc ggaaggaaac cgtgtnaaaa aacgcca 477

<210> 2345
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-D3

<400> 2345

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ctagaggccc caancttgtt tgagcgcatg gtaacaactt tgtctaaaat tgctcaaggg 120

tctcagagtg ctgatccaaa tcctgccatg gcttcgcaga cagcttcggt taaaggttca 180

tcccttcagt gcctggtcaa cgttcttaaa tcactagttg attgggagaa ataaggaga 240

gaggcagaaa atagtacaag aaatgcanac gaggactctg cntctactgg agagccaatt 300

gaaaccanaa gcagggaana tgtcccaagc aactttgaga angctaaagc tcataaatcc 360

acaatggagg ctgccatctc cgagttcaac aggaattcag tgaaaggtgt cgaatatcta 420

attgcaaaac aagttggttg aaangaatcc tgcttcagtt gcacagtttt ctganaaagt 480

actccaatcc 490

<210> 2346
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-D4

<400> 2346

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atttttaggg ttttttgttt ctctctaaat ttntattgtt atcttcttcg cgataccttg 120

gaatcgcatc tctgagatag ataaataatt ctgattcgta tctttaaatc ttgggttcnt 180

cttcttctcg cgattcgttt aaaagagcag catcaatgaa ncagaatctt catgtantat 240

caatggattc gttaccagtt ggattaagat tccgtccaac agacgaggag ctaatccgtt 300

actatctccg tagganaatc aacggtcacg atgacgacgt caaagctatc cgtgagatcg 360

atatttgcaa atggggaacc ttgggattta cctgattttt cctggtgatc aaaactaaag 420

actcagagtg gctctacntc cggtccaatg gga 453

<210> 2347
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-D7

<400> 2347

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gcggagactg agagcagcag cgacgagctt catcggccgt cgtctccgac ctcactcgcg 120

atctccgatt acaaaaatta gatcctcgat taagaattcg aaacatcaaa atttcatcaa 180

caaaaaaaat cagttactgg atttacgttt cgtttgcgtc acagatcaga tctccatgat 240

cccttatccg ctttcgttgc ggttccttaa accttgatgc aacggtctaa tgcncgttcc 300

aggtcgaata tcaattcang atatggtaag atcctcccga ggttcaagac ttcacctggc 360

aaccaccgat catcgccgtc caccgccgcc aaacccaagt cgaaacgaac anaatcgatt 420

atcttcgtaa tcgtcgcttg tgtaactatt gccttgggtt taataatcaa tggntaattc 480

antttacgc tccgggg 497

<210> 2348
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-E10

<400> 2348

ggatctcgct acgaaacaga agtatctccg aaatgcaatc gaatctgcta gaaaagctgt 60

ggagctgtct cctaactcga ttgagtttgg gcatttttat gccaacttgc tttatgaggc 120

tgctaacgaa gggaagagag agtacgagga ggttgtgcaa gagtgccacc gtgctctctc 180

catcgaatat ccgattgatc ctgctagaga gagtcttcag gatgagactc agctgaagat 240

attgacacct gaggctcgta ttgctcattt ccaggatgag ctcaggtcac tgatacagaa 300

gtctaacatt tattcattgt ccacttggat gcagaccttg ggaaatggtg aagaagaaat 360

ttaaggttga ttcctcttag gagaatgggc cgaaggattc tattggagag t 411

<210> 2349
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-046-Q1-E1-E3

<400> 2349

antgttacgc cttccgtagc cgtccgaaat tcnagggtcg acccacgcgt ccgaaaagtt 60

gaaacagaaa tcatctaaga gacgattaag agaaaactaa gaacgataac tctcgccttc 120

gattcttttt gttgattgag gcgcaagcta cctgcacaca atggagaaca atcgagaggg 180

accatactct gttctaacga gagatcaact taaaggaaat atgaagaagc agatcgccga 240

aatctctgag atcttctcgt tatcaaaacc cgatgcgacc gtactcctca tgtttctccg 300

atgggactct catgaagttt ctgagttttt ggttgaaaac aacgaaaaag tcttgtcgga 360

atcaggtttg aaaccagtgg taagttgatc cgaatcaaga cttatataag atttcttctt 420

gtgggatttg ctttaagact tgtgatgatg gtgattactt aatctccacg ccctttggc 480

tctcacatgt tctgc 495

<210> 2350
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-E4

<400> 2350

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gtttctgccg tgagaagagg tgaagattca tggtctcttg agatcagtgc tggtggtcta 120

gtcagtgctc tcttaggtgt aaaggaattt gaggccagat ggataggatg ggctggagtt 180

aatgtgcctg atgaggttgg acagaaggca cttagcaaag ctttggctga gaagaggtgt 240

attcccgtgt tccttgatga agagattgtt catcagtact ataatggtta ctgcaacaat 300

attctgtggc ctctgtttca ctaccttgga cttccgcaag aagatcggct tgccacaacc 360

aagaagcttt cagtcccaat ttgctgcata caagaaggca aaccaaatgt tcgctgatgt 420

tgtaaatgaa cactatgaan aaggaaatgt cgtcctggtg ccatgactat catcttangt 480

tccctcctaa aa 492

<210> 2351
<211> 432

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-E8

<400> 2351

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ctcatttggg tttttcattt tgaaaagaag gacccatttt atctctctc tttgttttgt 120

tttctcgaat ctgaaggagt aaagttaaaa gctttgaagg agagaatcaa tggcgggtta 180

cagagcanat gatgaatacg attacctatt caaggttgtt ctgataggtg attcaggtgt 240

gggcaaatcc aatttgcttt cacgattcac gaagaacgag tttaagtctc gagtcaaaat 300

ccacgatcgg ggtcgagttc gcgactcgga gtttgaatgt tgatgataag agtcatcaaa 360

gctcagattt gggatactgc tggtcaaaga aaggtancga gccatcacta gtgcgtaata 420

ccgangagct gt 432

<210> 2352
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-046-Q1-E1-E9

<400> 2352

gcgattacct cccatgggaa aaatctctga agtgattatt tagcactact ttttctttgt 60

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tcttctccgg gtcaaactga actcggatct ggtttcagta acaagcaaga aagatccggt 180

ttcgatggtg aagattgctg gagaagttca aagctctcac gaacatcaac tgatggattc 240

tcttcttccc ctgcctctgc taaaacgctg tcgtttcatc aaggcatccc tttactgaga 300

tctaccacta ttaatgatcc tcgtaaagga caagaacaca tgcttagctt ctcttctgct 360

tcaggcaaat caagatgtct caccttatct tcagtactgt agaaa 405

<210> 2353
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-F11

<400> 2353

aaaaaaatca tggagatgac cgaagcttcc aaacagacaa cagcagaagg atcagcaaat 60

ccagaaccag accaaatctt gagtccgaga agatcgttgg agctaaaaca aaagaaatgg 120

tggatctctg tttctttatg tattttctta gtcttgctcg gagattctct agtcatgctt 180

ctcttgaact tcttctatgt tcaagacaat cgagaagata gtgaccaaga tctacaatac 240

cgaggaacat ggttgcaagc tctggtccaa aacgctgcgt ttccactact cattcctctg 300

tttttcattt tcccttcacc aaaacaaaac caagaaacca ccaatactcg tttcctctct 360

tttcgtctca tcttacttta catctctctt ggtgttcntg ttgct 405

<210> 2354
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-C7

<400> 2354

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tgctttttgc caattaacaa gctaggtcaa ggtggtttcg gcgaagttta caagggtaca 120

ttgagtagtg gactacaagt tgcggtgaag agactatcga agacatcagg acaaggtgaa 180

aaagagtttg aaaacgaagt tgttgttgtt gcaaagctcc aacatagaaa tttggtaaag 240

ctgcttggtt attgtttgga aggagaagaa aaaatacttg tctacgagtt tgtgcccaac 300

aagagccttg atcacttcct ctttgactct acgatgaaaa tgaactagac tgggcaanaa 360

ggtacaagga tnataggagg aatttgccta gaggaantcc ttaancntca acaagaattc 420

acgactccca atttatacat ccangacctc c 451

<210> 2355
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-H3

<400> 2355

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tgtggaaggc caagacatgc ttccgtcaga tttacttgac cgtactaata cggcggtact 120

cgagagtcgc tccgccgccg tcttcggtga tccgcgtgac aaacaacgta gcacacctgg 180

gaccaccgaa gcaaggacca ctgccacgtc agctgatatc cctgccgcca tttcccggtc 240

atccattacc tggcaaaaac gccggagctg acggcgacga tggagatagc ggcggccacg 300

tcacagctat aagctgggtc aagtactatt ttgaagaaat ctatgataag gctattcaaa 360

ctcatttcac aaaagggcct tgttcaaatn gaattttcga ngtcntaagg gatgcctcaa 420

gaganaaaga agatgggagc tattcctatg 450

<210> 2356
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-H5

<400> 2356

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acgcgtggga tttattggga attccacatc gatccaagag atgtttaggc gggtgagcga 120

gcagttcact gctatgttca ggaggaaagc tttcttgcat tggtacacag gtgaaggaat 180

ggacgagatg gagtttactg aagctgagag caacatgaac gatctagtct cagagtacca 240

gcaataccaa gacgcaactg cagatgacga aggcgagtat gaagaagacg aggatgaaga 300

agagatattg gatcatgagt gagtgaaaag agctgatatt accgattttt aaatacctct 360

cttatcttct tttcgtttgg tcggtatatg tttattgagt tccatgtatt gtttgtgatg 420

ggtccgtgtt gtaatagtga gggtcggntc naaactttaa gccgtggttt taaatgaaaa 480

ttgtccaat 489

<210> 2357
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-H6

<400> 2357

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agtggtaaac agaataatgt tatgccaaac acttgggatc ttgaggaatc ttgactagat 120

ggatctgaaa ctcttgagtc ggccggattg ggatcaagaa tcttacccag attcttctga 180

tttcttggtc ctcatcttct ttgctccatt cttccttttt cttcgcttaa tcctcgacag 240

atgcatattc gagagggtcg ctagaagact ggtagttcct aaaggactat gtgctgattc 300

aaacgagaga agaaagaagg tagtgaaatt caaagaatcc cgcttggaaa tgtttgtgct 360

ccttctcggt ggaagctttt gctcctctac gttacttata anggagccat gggtttaaag 420

acaccaagat tct 433

<210> 2358
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-H8

<400> 2358

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ggaagaagat cagagaatat gactccaaga gacttctcaa ggagcatttg aagcgtcttg 120

ctaatattga cctgcagatt cgctctgctc aggtgacaga atctacggat ttcactgagt 180

taaccaacca ggagtcatgg ctatcgtcca caaagctagt tgtgaaaccg gatatgctat 240

ttgggaaacg cgggaaaagt ggtttggtag ctctaaagct ggatcttgct gaagttgcag 300

actttgtcaa agcccgcctc ggcactgang tcnagatgga gggatgtaaa agcacctatc 360

actacattca ttgtggaacc ttttgtgcct catgatnaaa gaatactacc tctctatagt 420

atctgataga cttg 434

<210> 2359
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-A1

<400> 2359

acgcgtccgg caatcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatta acacaaaaaa 60

ttatggagca caacaaggtt gatacagaac ctcaagattc atatgatgat caacaaaaat 120

gggttctcga ttcttcgacc gatagtagag gagagattcc gcttcgggct caaaccggag 180

cttggagagc tgcactcttc atcattggta tcgaattcag cgagaggcta agttactttg 240

ggatctccac gaacttagtg gtctacttga ctaccattct tcaccaagat ctcaagatgg 300

ctgtaaaaaa tacgaactac tgggtctggt gtcactactt tgatgcctct tcttggangc 360

ttcgtcgcag atgcttatct cggccgttat gggaactgtc ctacttgcaa ccancantta 420

ccttaatggg cttgaatccg tttaacattg gcc 453

<210> 2360
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-A10

<400> 2360

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gttacatctg gaggacatta tcttctgtta tttgggggac atggaactgg tggatggctg 120

agtcgttatg atgtttacta taatgatact ataattttgg acagagtaac tgctcagtgg 180

aagcgcttac caatnaggaa tnancctcct cctcctccan cttancaaan caagacttnt 240

attggagctc gtcatctttt aatttgtggt tttgatggaa aattgacctt cngtgatctc 300

tggtggttaa ttcccgaaga tgatncgata gccaagangg tcctccggtg cctcaagttg 360

ttaaaccccc ctgaaattta agaatccaga naaga 395

<210> 2361
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-A11

<400> 2361

taatcttgtt tctcttcatc ttccattgac gtttccttct atcctcgttg ccttcatttt 60

tcactcgcac gctaatcttc gcctactttg ttagattttc ggttttgggt ttttgtcttt 120

tggtcgattt cccctgttcc cagaatctcc gattaagctg cttccttaat ctcntgtctg 180

aataaacttt ttccgggggt gtaatttana nangtggtta aaattacgaa gtagtgagag 240

gagtgttgtt gctgttttgt ttattcggta aaacgaaatc ggaagttctt tgttgtcgtt 300

tgattccttt tgagaaagag agatgttggg gaactgggat tttaacttca ctcaagcttc 360

aagaagagct caaattgacg tccncttaag ggctggcaag attcgaagtc 410

<210> 2362
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-A3

<400> 2362

cggtaggcct ccgaaaattc canggtcgac ccacgcgtcc gcagtaaaat ggccaaaaac 60

tctgtcgaat tcgatcgtta catcgagcgc aaagctttcg acaatacaaa agaaggtgtt 120

aaagggctca tcgatgctaa aatcaccgag atccctcgaa ttttccacgt ccctcaagat 180

accttaccag acaagaaacg ctctgtttca gacctagaga tccctaccat cgactttgca 240

agcgtcaacg tggacacacc ctcacgtgaa gccatcgtgg agaaagtcaa atatgcggtg 300

gagaattggg gattcttcca ggtgattaat catggtgttc ctttaaacgt tcttgaagaa 360

gattaaagat ggggttcgta agtttcacga ngaagaanat tctgaggtca agaaatcata 420

ctactcgctt gatttcaaca agaacaaaat ttgcatacag tagtaatttc gatcaaatag 480

t 481

<210> 2363
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-B2

<400> 2363

ctgtttaccc gnccgtagcc gtccaaaatt ccanggtcna cccacgcgtc cgaagtttat 60

agcgactctt ttcctctaaa agggtctgtc tcttccttct tctctcttca gatctccatt 120

tcacggatca atcctgtgtt tgaaacaatg ggtgttgaag ttgtaaactc tggtggattt 180

gaggttgctc cggctccttt cgaggggaaa cctgagaaga acgggaagct ggaccaagga 240

aaaggagatg atgcccccat caattttggt tcagtcggtg agctaccaaa gaatgccgaa 300

gagaataata acaaagtggt caactctgat gcacccaaaa atgcagcaga agagtggcct 360

gtggctaaag cagatccact ctttctacct tgttaaatac cgttcttacg ctgaccccaa 420

aattaaagct aagcttgatc taactgataa agagcttgaa aaagttgaac aaagctcgga 480

ctggaatttt g 491

<210> 2364
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-B3

<400> 2364

ngtaggcctc cgaaattcca nggtcgaccc acgcgtccgg aagacttcac tgcttttgca 60

gatgtatgct tcagagagtt tggggaggat gtgaagttat ggactaaaat caacgaagct 120

actttattcg ccattggttc ttatggcgac ggaatgaggt atggacattg tcctcctatg 180

aattactcta ccgcaaatgt ttgtacggaa acatatattg caggccataa catgttgcta 240

gctcactcct ctgcttcaaa tttgtataaa ctgaagtaca agactaagca aagaggatcc 300

gtaggcctta gtatatatgc ttatgggcta tctccttata cggactccaa ggacgatgaa 360

accgcaactg aaagagctga agctttcctc tttggctggg atgttaaagc ctttgggtag 420

ttggggatta tccggatata atgaagagaa ccttggggtc gagattaccg gtttttctca 480

<210> 2365
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-C1

<400> 2365

ntgttacgcc tgccgtaggc gtccgaaaat tccanggtcg acccacgcgt ccgtagccta 60

cccatttcct ccttctttct ctcttctatc tgtgaacaag gcacattaga actcttcttt 120

tcaacttttt taggtgtata tagatgaatc tagaaatagt tttatagttg gaaattaatt 180

gaagagagag agatattact acaccaatct tttcaagagg tcctaacgaa ttacccacaa 240

tccaggaaac ccttattgaa attcaattca tttctttctt tctgtgtttg tgattttccc 300

gggaaatatt tttgggtata tgtctctctg tttttgcttt ccttttttcat aggagtcatg 360

tgtttcttct tgtcttccta agcttcttct aataaagtcc ttctcttgtg aaaatctctc 420

gaattttcat ttttggtcca ttggagctat cttatagatn acaaccagag aaaaagatna 480

aatccttacc gt 492

<210> 2366
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-C11

<400> 2366

aattgagtca gagaaaaaga gaaagagaga aggtaacatg gatgcttgtt ttcttacctc 60

aagatcaatc tctggtgtta aagagcttgt cccgttcatc aaagcgagaa tctttacttg 120

ccccaagaga aattctggcc aatttgttac caggaaggtt gcttctccga tctctgtaaa 180

ttgttctctt tcggattcat ggaagccact ggaagatgat gctgatctct tcaaggattg 240

tgtcaacaat tctacatcag atgctgattg gagggagttc agggcaaggc ttgttgcagg 300

ggaacaagct gcaacgtccg agaaggatca gccctcgtgg tctaacccgg acatggtggt 360

ggactatcaa ccatcatcgt cctcactgat nacaattggg aagcaa 406

<210> 2367
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-C4

<400> 2367

ngtaggcctc caaaattcca gggtcnaccc acgcgtccga aaaagggtac gangattcaa 60

tcatctccaa tcccaaaatt ccacttctgt ccacaaaaca caaagcgatt ctcgatcttt 120

gatcgtccca ccagatggcc gggaacgatt gggtaaacag ttacttagag gcgattctcg 180

acgtcggtca gggtcttgac gatgctcgct cttctccatc acttcttctt agggagagag 240

gtcgattcac tcccagccgt tactttgttg aggaagttat cactggttac gatgagactg 300

atcttcatag atcctgggtt aaggctgttg ctacgaggag tccacaagag aggaacacga 360

ggttagagaa tatgtgttgg aggatctgga atcttgctcg tcaaaagaan cagcatgaag 420

gaaaaanaag cac 433

<210> 2368
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-046-Q1-E1-C6

<400> 2368

aaactgtctc cgccggnacg tnaaggtcca agaaattccc gggtcgaccc acgcgtccgt 60

ttcgcaactt gtcaaagcac cacgaccttc tctctacgga gttgagatca atccccccaa 120

atctcggtgt ggttcctcta gggtttttga tcggaatcgg aatcgataat ctaaccggca 180

tgaggccaat cctattgccg gatccaccca gtctatctac cggcgtccct gatattttcg 240

aacaaggcgg ttcccataac gtcgtcagac gcgccgtcgt catcggaaac ggtttccctg 300

gctccgagaa tcagtgtatc ggtctcgttc gtgcgctcgg cttatctgat aatcaccttc 360

tctaacgagt gacaaggcct aaaggangac taaatgagtg gctgcactgg gctcccaatt 420

ggttttcaca aagaagttgg actttancct canggcatat ttacctccaa tccagattga 480

atggcntgg 489

<210> 2369
<211> 430
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-045-Q1-E1-H12

<400> 2369

gatctctcct cctctccttc tctctatttt gccggaatac atatgatcga gtgaaacggc 60

ggacaaagct gtcgtgttga gtactaattc gccgtcgttt ttctcagtga aggagtggtg 120

agagatgtcg agtctcgaag atatcaagaa cgagactgtt gatctggaaa aaattccgat 180

tgaggaagtt ttccagcagc taaaatgttc aagggaagga ttgacaacgc aggaagggga 240

aggacaggga tcagatcttt ggcccaacaa acctcgaaga gaaaaaagga aacaaacctt 300

ccgnaanttt ttggggttaa gttgaatcca acttcaatgg gtccatggga aatgggtnca 360

atccatgggc caattgcctt tggcaaccgg tgatggtaag gcctccggat tggcaaggat 420

tttgttggga 430

<210> 2370
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F6

<400> 2370

acgcgtccgc tctgtctttc tatcgcctaa tggttgtttg gttagttgga ctagtcggtg 60

gctttaagat gcctctaccg tcaacttgcc ctatggaatt ctcctgtatg cctgagcatt 120

ttgttgaaga tgcaatggag ttgctgatat tcgcttcaag aattcccaaa gctttggacg 180

gggtgccgct ggacgacttt atgaacttca taattatgtt catggcaagt cctgaatatg 240

ttagaaaccc gtatctcaag agcaaagatg gttgaagttc tgaactgctg gatgcctcgt 300

tcaagtagtt cttcttctgc tacatctact ctctttgagg gacatcagtt atcgctcgag 360

tatcttgtca ggaatttact gaaactanat gttgacattg agttcacggg ttcanacact 420

ccagttcnat gacaagttca atattcgcca caac 454

<210> 2371
<211> 449
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-044-Q1-E1-F8

<400> 2371

gggtttttct ctcttccata aaacccaaaa gaaactagga agaggagtaa ataatatttg 60

ttttaaagaa atgattctcc acaaaatggc gttcttggcc gttattctct tcttcttgat 120

aagcagcagc agcgtttgcg ttcatagccg tgaaacgttt gcttgcgata caaaggacgc 180

agcaacagct acactgagat tctgccagct ttcagttcct ataccggaga gagtcagaga 240

tttgatcgga cggttgacat tggccgagaa agtgagcttg ttagggaaca ctgcggcggc 300

gataccacgt ctagggaatc aaaagggtac gagtggtggt cgggaggctt tacacgggcg 360

ttcaaatgtg ggacccggta ctaaagttcc ggttggggtt taaccctgca gccaacagtt 420

tcccctcaaa gtcatcaacc aaccgtttg 449

<210> 2372
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F9

<400> 2372

ggaactgtta cgcctgcctn tancggcccg aaattcccgg ntcgacccac gcgtccgaac 60

gcgcattaga agcttttcag ttagatcctt ctaaatgggg agtcaatgtg cagtctttat 120

caggatcacc aagctaattt ccaagtttac actgcattgt tgaagcctca tgaaagaatc 180

atggcacttg atttacctca tggtggacat ctttctcatg gttatcagac tgacacgaag 240

aaaatatcgg ctgtatccat ctttttttgag acaatgccat acagattgga tgagaacact 300

ggttacattg attatgacca gctagaaaag agtgccgtgc ttttcagacc gaaacttatt 360

gttgcgggtg caagtgctta tgctcgtcta tatgactatg cacgtattcg taaggtctgt 420

aacaagcaaa aggcagttat gttggctgat atggctcata ttaatgggtt ggttgcctgc 480

tggcgttaat ccttcc 496

<210> 2373
<211> 498

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-G11

<400> 2373

actgttacgc ctgccntgta ccggcccgaa aattcccggn tcgacccacg cgtccgcagg 60

aaacagcgtc tacctctgag tatggggcag ggtcaagttc tagctgtagc gaagatttga 120

ctagagatag atggtttaag ggaagcaagc agagtagagt tattgctgct acagggatgg 180

tttcttctgt gattgcgaag gattacttga agccaaaccc tgtgcgaaaa gagtttccta 240

tgatggaacg gtctaaagag ctctgtggga acgggaaaaa agctgcggat agagagaaag 300

ctgaacagtt cttaagttca atgcttggag atgattgcga agcttagcat ggctgttgtt 360

agagatgttt tgtgtcaatg tggctatgaa tgtcgacatg ggcttttgaa atgtcctgcc 420

ttgacatgtc tcctcatcaa ctgatgattc attgagtggt aaatgtttcc ggcataagga 480

atcagcgata tcctggca 498

<210> 2374
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-044-Q1-E1-G12

<400> 2374

acgcgtccgg gtgcggcatg atttctgtga aacctatggg aataattgcc agaatgttga 60

tagacattgc tttgagccag gttcaagttt cctccggcag tttctgtttt ttttcaaggc 120

acaaaactcg ggagattttg tgatacttgt ggagacttgt cgtctactgc agagtttcgt 180

tgacagcagt ggtgacattg tcagcctttt ttctggcttg gactattctt ctgagcataa 240

tttggtggat tttagagtaa agaaacttgc atttacctgt atcgaggcga tacaccagaa 300

taggaaccgt ttaagggatc agctcttagt tactcctgaa gaagctagca tttcaacagc 360

tatcttgatg gaggcagttt cgttgttgct agatcctaaa gctgccttgg gtctgcaaaa 420

taagttaagt taacctacaa aaaa 444

<210> 2375

<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-G2

<400> 2375

acgttacntt gccggccggt ccaaaatacg ggtcgacnca cgcgtccgcc cacgcgtccg 60

gtcatatggc agtcatatgt ctccggttaa tgcggaggtt gaggagatga gatcagagtc 120

gccggtggtt aatgataagg cgttagatat ttctgatgat gatcatgatg atgagaatga 180

accgcttatt gtttctggtg aatgtcgtat ttgttctgat gagtctcctg ttgagaatct 240

tgagagccct tgtgcttgca gtggcagcct aaagtatgct catanaaaat gtgttcagcg 300

ttggtgcaat gaaaagggaa acattatatg cgagatttgt caccaacctt atcaacctgg 360

gatataccgc tccacaactc caacttnaac ctgaagaaaa caactaatga cattggtgga 420

nggatggcaa atctcaaggt ttgggatgnt gcaagaatcc cncgccnccc ttcaaattgc 480

tgaancct 488

<210> 2376
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-G4

<400> 2376

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ggcccncncn gcnccnaaat ncagaaaaaa aggaacgatt tttatttccg gtgaatgaga 120

attttcnctc gaatttgatc gatcacatat ttcatctgtg tgttttcatt ttgaggatgc 180

cagcaacgga atatcaaaga tcattcggga ggtcttttct gaatttacgg cgagacacgg 240

cggtgaactc ggttgaagtc aacgacggtt acccccgagt tgactcaaga tggaagcaga 300

gcttgtttcg tttcagagaa aagttgctga gaggtttatc gatctcaatg cgtctagttg 360

tgaaagattt actgtctccc gaatggggtt ggggaaacct ccttgattcc gtttcnaacc 420

ttgtcaaaga aananttccg ttnccanaag tcatcaaatc atcngttccg atgantaact 480

aaaacaaccg aatgggntcn attgggttca agaataa 517

<210> 2377
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-044-Q1-E1-G5

<400> 2377

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acgtctccga tcttactgct gctcttaagg acgaggatcg agctggcctt gtcaatgctc 120

taaagaacaa gctgcagaat ctggctggtc agcgttctga tgtgctcgag aatctgactc 180

ccaatgtgag aaagcgcgtt gatgccttga gggatataca gagccaacat gatgaactag 240

aggcaaaatt ccgtgaggag agagctattc ttgaagccaa gtatcaaacg ctgtatcagc 300

ctttgtatgt caagcgttat gagattgtga atgggcacta ctgaagttga actggctcca 360

gaggatgata ccaaggtgga ccaaggagag gagaaaactg cagaagagaa aggagttcca 420

agtttctggc tgacagctct gaaaaataac gatgt 455

<210> 2378
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-G7

<400> 2378

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caatcttctg agaacagagc tgttgaatca gctgttccac aagttgctct tcaagcattt 120

gcttttctaa gtgagaacac tgctgcgcag actgttgttg cttccattgc gagtgaccca 180

aaagtatggg atgctgttat ggagaataag gatctcatga aatttcttca gaccaacaaa 240

accgctgttt cctctcaagt tgaatctgac aatgacgacc aatctgaacg ttcgagcacg 300

actgagtgtg aagtcgtgga aactaagcca atggaactct tagagattct gcaggacatg 360

aagctaaaag ctgttcggtt gatggaaaat gtatcttcct actttggtga cttgtttggg 420

gttaggatca gttacagaag atggaaaaga caagaancag acgttgttca atgaccctcg 480

ttctctgttt ggattaa 497

<210> 2379
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-G8

<400> 2379

ccgggtcnac ccacgcgtcc ggggagatta tgcgcagttt tggtcttact gacagtggag 60

attgcaaatt tccgagagcc ttctgaatgg ttgtattact ttccccctttt ggctgttgaa 120

gatctaaggg catatggatt gggttgtgat tggagacgct cgtttgtgac cactgatgtt 180

aatccctttt tcgatgcctt tgtgaggtgg cagatgagga agttgaaatc tatgggaaag 240

attgttaaag accgcaggta cactatattc tcacctttag atggccagcc ttgtgctgat 300

cacgaccgtg ctactgggga aggtgttcag cctcaagagt atacactcat aaagatggaa 360

gtagtcaagc cattccctct gaaactgggt cctttggaag gcaagaaant gtttttggct 420

gcaactactt taaggcctga aaacaatgta tggacaaaca aacccca 467

<210> 2380
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-G9

<400> 2380

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agttgcagat tgcaaacagg ttttggaggc tgcaaagaaa aggtcagata tggtggtgca 120

agttgggttg gagtacagat acatgccgcc agttgctaag ctaatagaac aagtaaaagg 180

cagagacttt ggtaatgtca agatggtagc aatccgagaa catagattcc ctttcttggt 240

taaggtgaac aactggaata gattcaatgt gaacactgga gggaccttag tggagaaatg 300

ctgccacttc tttgatctaa tgaggctctt tgccggtgca aatcctgtct gtgtgatggc 360

ttctggangc atggatgtga accacaagga tgaagtttat ggtggaaagg tgcctgatat 420

aattgataac gcatatgtta ttantg 446

<210> 2381
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-H1

<400> 2381

acgcgtccgg aagaagcaaa gaagcactga taaatctctg caactcaaca aatttctgag 60

attagctatg gaaggttctt catcttcgtc ttcgttaatt tccaaatcgg acgctgagtt 120

ggaggaaatg ctcgatcgga tgctgacgag actcgctctt tgcgacgact ccaagctcga 180

atccctagtc tctaacctcc ttcctcttac catatcttct ctttcttctc aatctcccgt 240

tgttcgcaac aaggttcttg agatattgag tcatgttaac aagagagtga agcatcagca 300

tgaaattggt ttgcctttat tggctttatg gaaattgtac acagatcctg ctgctgctcc 360

taagggtaag gaacttttgc tattggncaa tgttgagatg gcttttgaac gaactccctg 420

caaaaggaaa agggaaggaa attgcaccct aatacactgg nggaat 466

<210> 2382
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-H11

<400> 2382

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ccggttttgg atttggtaaa gcttctcggt cacttgctcg gtgattgaaa ctgaatcgat 120

tgtgattgtg attgtgattg tgattgtgat tgtgagggaa ttatggctca agccgtagaa 180

gagtggtaca agcagatgcc gattataacc cggtcgtatc tcacggcggc tgtagtcacc 240

accgtcgggt gttcgctcga gattatatct ccttataatc tctacctaaa tcctaccctt 300

gtggtgaagc aataccagtt ctggcgtctt gtcacaaatt tcctttattt ccgaaagatg 360

gatttggact ttttgttcca tangtttttt ccaaccccaa tactgcaaac tgctcgaaga 420

aaaactcctt cangggaaa agaccgccgg attcccttac atgcccttaa ttcgggggca 480

actgntccta actgggtaat tgt 503

<210> 2383
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F4

<400> 2383

aacgttcgtt gcccggccgg tccaaattaa cgggtcnacc cncgcgtccg gtgacttnaa 60

atttattnag ataatttcaa tccnaaggga ttctttaatt taatgttttg ggtnanaacc 120

aaacgcagtg agccaaatca agatgggtga cgccaactac aattagaacc gtcgatctcc 180

gctccgacac ggtgactaaa ccaacagagt caatgcgttc agcaatggca aacgcggaag 240

tagacgacga cgttttggga aacgatccaa cggctctgcg tttggagaaa gaggtggctg 300

agatcgctgg aaaagangcg gcgatgtttg ttccgtcagg gacaatgggg aatctgataa 360

gcgtgttggt ccattgtgat gagagaagga attgaagtga ttccntggga gaacactctc 420

acattcatat atatgaaaaa cggcggcgtt ttcaagcctc ngtgggtgtt catccgaagg 480

acggtgaana atgaaggaag acggttcg 508

<210> 2384
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D7

<400> 2384

ccgnccggta ccgagtccan aaattcccgg gtcgacccac gcgtccgccc acgcgtccgc 60

ccacgcgtcc gtctctctct ctggcttgct gtttactctc atcgtctcct ttacttcatt 120

cgtcttcttc ctctctttcc cacaagctcc cattgatata gagagagaga tttaaggaag 180

gaatcatggc agggggtgga gctccagcac ccaaagcaga cgaaccacaa ccacatcctc 240

ctaaagatca acttcccaac atttcttatt gcatcaccag tcctcctcct tggcctgaag 300

ctattcttct tggattccaa cattaccttg tgatgcttgg gacaacggtg ctcataccta 360

ctgctcttgt tccccagatg ggaggtggat atgaaagaga aaggcanagg tgattcagac 420

tattctcttt gttgctggna tcaacacatt gctccanaac actgttccgg tactanattg 480

cctgcggttt gtttgg 496

<210> 2385
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D8

<400> 2385

ctgttacgcc tggcccggta ccgagtccaa aaattcccgg gtcgacccac gcgtccgcat 60

ttatttgata aatagattta agctaagagt taaaaaaaga tggcaacact aggagatatt 120

ggagtagcag cagcaatcaa catactcact gcaatcatct tccttttggc atttgcaatc 180

ttgaggattc aaccattcaa cgatagggtt tatttcccta aatggtatct caaaggtata 240

agaagcagcc ctttgcattc aggtgctctt gtcagcaagt ttgtcaatgt taacttaggc 300

tcatacctcc ggttcttgaa ctggatgccc gcggctctaa agatgcctga gcctgagctt 360

attgatcatg ctggattgga ttccgctgtc tacttgaagg atttacttga tagggcttaa 420

gatctttgta ccgataagcg ttacttgctt ggtcnattct ggtacctggt caattgggac 480

taatcatggt ccgcaactaa cctaa 505

<210> 2386
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D9

<400> 2386

aactgttacg cntgcctgta ccggtccaaa attcccggnt cgacccacgc gtccgaacaa 60

catctgcttc ctgggttttc tctcctttgc ccttatctcc cttccctcct tgtcacttgc 120

tcttaccaat cctgacgatg ttgcggctat taacagtctc ttccttgcac tggagtctcc 180

tcttctcccc ggttgggttg catctggagg tgacccatgt ggtgagagct ggcaaggtgt 240

tctatgtaat gcttcccaag tagaaacaat aattctcatc agtgccaatc ttggaggaga 300

gcttggtgtt ggcttaaaca tgtttacctc tcttaaagca atggatttta gcaacaatca 360

cattggagga agtatcccat ccacgttgcc tgtttcattg cagaacttgt ttctttcagg 420

taacaacttt acaggaacca tcccagaatc tctttcctcc ttaaaatctt tgtctgtcat 480

gtccttgaac aaaa 494

<210> 2387
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-E11

<400> 2387

actgtttacg ccgggcctgt ancggtccca naaattcccg gagtcnaccc acgcgtccga 60

acaaaatgaa attttcaatc acattagctc tatgcttcac tctctccatc ttcttgatcg 120

gatcacaagc caaagttcca gtcgacgacc aattccgagt ggtcaacgaa ggtggctaca 180

ccgattacag tcccatcgaa tacaaccccg acgtacgtgg cttcgtaccc ttcagtgaca 240

acttccgtct ctgtttctac aacacaaccc caaacgcata cactctcgct ctcagaatcg 300

gaaacagagt ccaagaatcc actctcagat gggtctggga agcaaacaga ggctcaccgg 360

tcaaagaaaa cgcgacgttg acttttggcg aagacggaaa cctcgtactc gctgaagccn 420

gatggacgcc ttggtaatgg caaacgaaca cagctaacaa angggccgtg ggggattaaa 480

atccttggga gaatggcaat atgg 504

<210> 2388
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-E3

<400> 2388

tgttacgttg ccgggccggt ccgaaataac gggtcgacgc acgcgtccgc tctgcttgag 60

agagtcagag agtcaagaga gaaaaggggt cgagaatggc ggtcgcaata tctgggagta 120

gtttgatatc gtcgactctt cagcattata ataatcggat ttatatccga gattatccga 180

ttccgtgtca ctcttctaat ccaatttgca attcttttaa tttcaaaaga cgttcgttct 240

ctccttcttc ccccaaattt aacgaccatg tcgttaaccc ttcctcttct tatttatcct 300

ccaagctttc tccaattcga acccattcct ctttcgctgc gtgtggctgc tcctggattc 360

aagacaattc antggttcat gattatgcta caacaactaa tgggacgttc aaagcgttgc 420

tcggcgttac caancancaa acacagtggg atgtctcttc ggtggtcaga tctttttgag 480

tcaaaatgct cgggtcct 498

<210> 2389
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-E4

<400> 2389

ntacgttggc cgggcccggt ccgnaataac gggtcgaccc acgcgtccgg aagaacaaaa 60

ccgtataacc gttcggttca gaggtgccga accgaaccga cccgtaaacc gaaatcctca 120

aaagaaattg ccgatcggtt tgctactgtt caaaacctcg gtgccgagaa ccgaaactgt 180

cggttttttc ggttcgggtt tctcggtttc ttccgaactc ccaggcctag tttggtttta 240

tttttcacga gttttgcttc tcttttcatc ggcgacgacg acgtcgagtt tctgtcaaaa 300

cgttaacgat ccgactcgag cgtcgacagt aagagaagaa gacagcgatt gtgtgtagat 360

cgacggcgaa cgtgtgtcga tncgtctcga tcgacggaga atacgtttcc gattcggttt 420

cgattcaaat cggagagttg aggattctaa atcgggaaat tgcattaata ctcaacctcc 480

aaacccctte tgaaanatcc c 501

<210> 2390
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-E6

<400> 2390

ctgttacccg gccggtaccg gtccaaaatt cccgggtcga cccacgcgtc cgcttggctc 60

taccttgaat ttctactttg gtgctactct tcttcacata cctagctgct gtatactata 120

cgtgaaccaa ctccgtattc tactttagag gccatgggaa aagcttctcg agacaaaagg 180

gatatctatt atcgtaaagc taaagaagaa ggatggcgtg caagaagtgc ttttaagctt 240

cttcagattg atgaagaatt taatattttt gaaggtgtga agagggtcgt agatttatgt 300

gctgcacctg gtagctggag tcaggtcttg agtcgtcaat tatatcttcc tgcaaagtcc 360

tcaagctgag tcaaaagatg gggatcttcc tcttatagta gccatcgatt tgcaagccta 420

agggctccaa attgaaggtg tcatccnagg ttcaaggggg acataactaa tgccccggac 480

tgctgaaatt ggtcattaga acactt 506

<210> 2391
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F1

<400> 2391

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gctccggtct catttctcgt tcttctgatt gatagatcgc tcggaacttg gaaagcagcg 120

taatcggtag ggagtgattt gagttttggt gaggatgtct atggttgatg agcctttata 180

cccgattgct gtgcttatcg acgagctaaa aaacgatgat attcagcgta gattgaactc 240

tattaaacgg ctttctatca ttgctcgtgc tcttggagag gagaggacaa gaaaagagtt 300

gattccattt cttagtgaga acaatgacga tgacgatgan gtgcttttgg ctatggcgga 360

aganttgggg ggttttaatc tgtatgtagg aagggttgag tatgcataat gttcctgcnt 420

ccaacctttg gngnacccaa ccactggttg aggaaacntt cnttaaggga aaaaagctgt 480

tggattcacn tttgt 495

<210> 2392
<211> 445
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F10

<400> 2392

acgcgtccgg aaaatatttc gaacgcagct gttatgattc agccatctct aacaacatat 60

tcgtttaact cactacctca acctgcattg ttggatgttg cttccattgg tgcagaccgt 120

atcctcctgt tggattctta cattagtgtt gtcgttttcc atggaatgac cattgcacag 180

tggcgcaact tgggatatca aaatcagcct gaacaccagg catttgccca actcttggaa 240

gcccctcaag aagatgcgca gatgatcatt cgtgatcgtt tccctgtacc aagattaagt 300

tgtttgtgat caacatggat nccaggcaag gtttctgtta gcaaagctaa atccgtcaag 360

caacatacaa caatgcaagc gagatgaatg caggctctga tataatcctc acggatgaag 420

tcaagtcctc aagtcctcct tccaa 445

<210> 2393
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F11

<400> 2393

ggggnaacgt ttagccggct ntagcgggcc aagaattccc ggantcgacc cacgcgtccg 60

cntttgaatc nctcaaaatt ctcctaattc ccaaaattac ccctctcatg gcgacgaacg 120

gatcgtcgga gcatcttctc ccggagacga caagaccaag cgcgatcatc aacaaacaac 180

aaccggagtt tcctgcatca cgattcacgt tcatgtccct cgtgctctgg ttcgaccagt 240

caaatttcgg tacggctctg ctttcgtggt ccgttttctt ccttctcgtc gtcatcgttc 300

ctttgatctc tcacttcttg ctcgtttgct ccgactgcga tttccatcac cgacgtccgt 360

annacgttat tgtgcagctt gngntaatcn annttcgcat gnaacctttt gccgatagcn 420

gaaaacatct ngctcacgng aancngagtg gncgcttggg tatggcaaac cgaacacagc 480

taacanaang cgcccttggg ggattaaa 508

<210> 2394

<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-F12

<400> 2394

tgttaccctg cctgtaccgg tccnaaattc ccgggcttct ctgcaaaatc gactaaagtt 60

ttgagtttct tcaccgtacg attaaccgga gatggagtct tctcccgatc caggagagtt 120

gattaagtcg tctcagccga gtttctttga gtttcagaag caggcgtctc taatgacgag 180

ctgcaatctt ctatggaaag agctctctga gcatttcact tccatggagc aaaacctgat 240

gaagaaatct gaagctctga gacagatgat tgaaacccta gataatcaaa cgcaagagct 300

cgattgagtt actcaagcat cgtgaggtga ctatagacca cagcgtcgag atcgcggagg 360

ggaaagttga ggaacgccgt tagagccggc gttggattcn cctgggagaa agctagagac 420

tgtggtgatg aagataccgg agaagtcgac gacnggcgac gggcntttaa tcggcgcctg 480

aantccccct tg 492

<210> 2395
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D3

<400> 2395

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atctctccac tctttcataa atattttcct aattcttcta ccttggtgtc tgattctagc 120

accaaaccat tttctcctac caaaatctgg gtttcgatca attttaggtc ttttgattcc 180

tacttgtcta atcgtcttgc aatttcaaag atgacagttg ttggagatgt tgctccaatt 240

ccaaggagga acagttctac ttgctctaat gatatcgctg ctccgttatt accagagtgt 300

catgggagat gaagttgctc atgatgaatt caatggagct tcttttagtg gcgcggtttt 360

tanctcgccc acgactataa attggtgctg ggtatcatgg gctttgccct ggctacaaat 420

gaaanattcc ttgggacctt gggacntggg aatcacgaat gantggttgt taanggcttt 480

ccttgaactg aatgcgtccg aattgaagtt c 511

<210> 2396
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B3

<400> 2396

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tcttccctca aactcaagat ccgattcttc taattctttg tccccccaga gattcttctt 120

ctttctccaa gtaaaagaaa acaactttct ttctcttttc ttgcgaaagt cctcaacttt 180

caccactaaa tcagcttcct tcaatcactg tgtttgcttt ggacccagtt tctgatttag 240

cgactagggt tttgattgga accgtattaa gtatatgaga atcgggtttt actggtgaat 300

cggattatca tcggaattcg gaaaaagatg gatcggaatc aaaagatgga tcacgttatc 360

ggcgggaagt ttaagttggg tangaagctt ggaagtggga tnattcggtg aactttattt 420

agggatcaat attcaaacct ggaagaagaa gtcgcagtta agctggaaac ctgtgaaaga 480

agaagcatcc tcnaactgca 500

<210> 2397
<211> 591
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B4

<400> 2397

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caatcctccc aaatcctaat cctcaantcc gggttccgaa anaaagcctt nanagggcga 120

attccctttg gctttaagcc taaactaagt aantttccgt ncatggtnct tggggngcaa 180

cgaatttgaa gttcgggatt cctgggtggt aattttacaa gaagccttta ttcaancaaa 240

atgcaaagtt caaaagggaa gttgcaaggt tgaaagaaan tgttattccc tggaatcctg 300

attctctcaa ataacctcac acccggtata cggtctgatc tttcttttca aatgggcaaa 360

gctgggggga aaaagatgag cgtccaaacg attccaaaga tcaagtttcc gaaacttant 420

tttcgcanaa tcaggtcatt aacaaatgct tgtgcaaccc aagccgattc cttgctaacc 480

tcntgaaact cctccaagag gttgacatcg gggcctgaaa ctatcaagnc gctgaaaaga 540

attccaccaa ggaactttcc ngtccgaacc tcaaangggt tttggctatc a 591

<210> 2398
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B6

<400> 2398

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atttcaagtt tctgaaccac tcatggatca ggcggagctg agtatagagc aggtattgaa 120

aagggacatt ccatgggaga cttacatgaa cactaagctg gtttcagcta aaggtctcca 180

gctcttaagg cgctatgata aaaaacctga aagtgctagg gcacagttgc tcgatgaaga 240

tggtccagct tatgttcatc tctttgttag catcttacgt gatatattca aggaagaaac 300

tgtcgaatat gttttggctt tgatttatga aatgctctca gcaaacccaa cacgagctcg 360

attattccat gatgaaatcn ttgggcaaat gaggatactt atgagccttt cttgaggttg 420

ctttggaagg gaaatttggt caatcaagaa aaanag 456

<210> 2399
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B7

<400> 2399

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ttatcgttac tattctttga tgttagcgcg gtgaaatctg cagaatcgat tttcctccca 120

agtcaaatcg gagttgaaga ttcccgcgtc tttgaatctc ttagtcttag tcctgtatgc 180

tccgcggctg atccaaacct caactacaag ccggtcatcg ggattctgac ccaccctggc 240

gaaggtcgat gggacgctcg tcttcactct ctgaaaaact acgcctacgc gacgaacata 300

tcgtacatcg cagcttcgta tgtgaagtta gctgagactg gtggagctcg tgtgattcct 360

cttatctaca acgagcctga aagaaatcct gtttcagaag ctagaattgg taaatggtgt 420

gatattcaca ngtgggttgg g 441

<210> 2400
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-C11

<400> 2400

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nattnccctn caaccttncc nanggaaaca ancncnaact tgnctnccag ggtncgnctt 120

aacattggtg gaaagaaatt ttgtacgacc attgatactt tgactattcg tgagccagac 180

tcaatgctcg cagcgatgtt tagtggtcga catgcaatgt gccaggaatc caaaaaggga 240

tatgtattca tagataggga tgggaagcac ttccgtcata ttttaaattg gttgcgtgat 300

ggcgttattc ctaagtctgt cagatcctga ttgttctgaa cttttgcggg aagcagacta 360

ctatcagctt cttggactga aagatggaat aaaagattcg agaaaagaat tggtgaagta 420

gaagctgaat taacgcgtat agatatcatc aaatgtatac aaaccga 467

<210> 2401
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-C3

<400> 2401

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ttttgaaaaa catgaccttt ctaaaaatga aaagcctttc tttcttcttc accatcctcc 120

tctctctctc gaccctcttc accatctcca acgcacggaa gtttaatgtc ggaggcagtg 180

gcgcgtgggt tacaaaccca cctgaaaact acgaatcttg gtctggcaaa aaccgtttcc 240

ttgttcacga cactctctat tttagctacg ctaagggagc tgactcggtg ctagaggtga 300

acaaggctga ttacgacgct tgtaatacaa agaatccgat caaaagagtg gacgatggag 360

attctgagat ctctccttga tcgttatggt cccgttttac ttcatcagtg gcaatgaaag 420

attaactgta angaaagggt caaaaagcct aatgtcgttg tcataatccn gctaaggatt 480

ccatccaacg ggctcaagtc tcctcaacgc cggctgca 518

<210> 2402
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-C4

<400> 2402

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ncccncaaga ttncaattcc cgaggcncaa gagaaaaccg taaacccctn cnccgttcac 120

ncaatcaacc aaagatgctt gagattcttc aaatcaaggg tggtcaatgc ggtaaccaga 180

tcggagccaa gttctgggga aagtggtttg cgccgagcac ggcatcgatc caaccggaag 240

gtacaccgga gactcagatc tgcaacttga gcgcatcaaa cgtttactac aatgaagcga 300

gttgcggtag attcgttcct cgtgcagtgc tcatggattt gggagcctgg gactatggat 360

agtctcagat ctgggaccgt acggtcagaa cctttccgac ctgataacnt tcgtctttgg 420

tcaatcccgg tngcggggta acaaacttgg gccaaagggg acactacact tgaaaggagc 480

ctgaactaaa ccgaattccg ttccncgaag gtttg 515

<210> 2403
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-C5

<400> 2403

gcctcctctg aacttctaga gcttgctgca gctcgggact cggtatctgc aaaaaacaga 60

aagccccaat gattttgcca tcgatgctga cccgtttgtt caaagtcagg agagcctgaa 120

tgaattcccc tttgcgatca aagaacggga atgggaattt atcagtatct tggccacgga 180

ggtcaaatcc atggctgtct acggtgacca agataaggct ccaacaggtt ctcgcagaat 240

ttctgctaag tattgtccgt tatgcaccca tggaaggctc ggtagagctc catctatgcc 300

cgactctgaa ncaaatggct gacggattct ccgctgtacg tttgggantt caaaattggc 360

gtttgcaagg ggaaagtgtg ccgccagaag aaagttgcaa gacatgtttc cataantaac 420

ccgatggaca agtcca 436

<210> 2404
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-C8

<400> 2404

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gaatgcgtct actattacta agaagaagga taaacaacca agtgatgctg ctgataatgg 120

cggaggcgaa gatgaagaag gaatggatgt gaatgagatt gagatgatga agatgttagg 180

gattcctact ggatttgatt ccacaaaagg caaaccagtt gctggtgctg atgttagtgg 240

tattagagct gtaactaagc gtcagccaag acagtacatg aaccgtcgcg gtggatttaa 300

ccgtcctcta ccggccgagc gtaatcgcta gtcttctcaa ggtccctcta acgctgtctt 360

gaacactagt caaaaagatg agggctagag ctgcatttcc angatagtag ttactagtta 420

ctccaattct tccccaaaac tctgttctga tgtc 454

<210> 2405
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-C9

<400> 2405

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tgacacagct aaagatccct ggattctcca aacaccgtga aacgtatcaa caggaattgg 120

agatgctcaa cttaagaaat gggttatagc tgaaccagag acaaagattt cgagaatcga 180

gcatgaccat gagtttttga tcttggcatc tgatggttta tgggataaag tgagtaacca 240

agaagcagta gacattgctc gtcctctctg cttaggaacc gagaagccat tgttgttagc 300

tgcctgtaag aagcttgtcg atttatctgc ttcacgaggc tcgtctgatg atatcagtgt 360

gatgttgatc ccttttacgc caagttcata tagaaaagag angcatctta agaagatttt 420

agatatatga taaacgttag aaatttggag g 451

<210> 2406
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D1

<400> 2406

aaagatcccg atgatctctc atctagagag atcgcgtttg aagatccctt ctccgttgat 60

atcacaaaac tcacagttgg gtatacaaaa gatgctgata tgaaggtggt ggaagttctt 120

ggttccaaag gtgtcaatat ggttcctttt gagctaaatt atactgtgga atcggttcaa 180

gggatattga acttcacaat ggatgtagat atgttggctc attttgatga atggcaaaga 240

accggtcaag aagatctcta tgaagctcaa gatcaatggc cggttgagtt acgccgtgct 300

cgtgtagtta cagcagtaga ttacattcan gctcagagag ctcgtggtaa gttgattccg 360

gattggagaa aaactttaca atcnaatgcc gtttaatggg aaatgtgacc gattgggaaa 420

aaag 424

<210> 2407
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D11

<400> 2407

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aggggaagca aataaattat cgaagcccac tggtttcgga gctgatcggt ctctatttct 120

ctcttcatac atatctcaag cagataaagt tgatcggata ctagaatggg aggaggattt 180

agagttttgc atttggtgag gccattcttg gcttttctgc ctgaggttca gagtgctgat 240

aggaaggttc cattcagaga gaaggttatc tacactgtca tctctctctt catctttctt 300

gtctgcagtc agcttcctct ttatggaatc cattccacca ccggtgcgga tccattctat 360

tggatgcgtg tcattcttgc gtccaaccgt ggaactgtca tggagctcgg tattactcct 420

attgttacat ctggacttgt gatgcaactc ttggctgggt ccaaagatta ttgaaggttt 480

acaacaatgt tccgtga 497

<210> 2408
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-D12

<400> 2408

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caccgtccct catgtggatg gtctccccgt tggcacagag acagtctctg agatccccgt 120

gacatcagct gatctcttga tgtctgctat ggatctcaca cgtgatcaag ttgaaggtgt 180

ggtccgagcc gtggaaccgg acctgatctt ctttgacttc gctcattgga ttccagaggt 240

agctagagac tttgggcctt aagactgtaa agtacgtcgt ggtatctgca tcgactatag 300

ctagtatgct tgttccaagt ggtgagttan gtgttcctcc gccgggatat ccttcatcga 360

aggtgctgct tcgtaaacaa agatgcttac accaatgaag aatccnggat cc 412

<210> 2409
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-044-Q1-E1-B2

<400> 2409

ctgttacgct tgccggtgcc ggtccaaaat tcacgggtcg acccacgcgt ccgattttct 60

tccactttct cgatctttga gatttctttc aaaggaagaa aaaaaaaaaa actcgcgatg 120

tccgccgaat cagctagcca aattcctaag ggacaggttg atctactaga ttttattgac 180

tggtctggtg ttgaatgtct taaccaaagc tcaagtcact ctttgcccaa tgctctcaag 240

cagggatata gagaagatga aggtttaaac ttagagagtg atgctgatga acaacttctc 300

atctatattc cttttaacca agttatcaaa ctacattcct ttgctatcaa aggccctgaa 360

gaggaaggtc ctaaaactgt aaagtttttc tcaaacaaag agcacatgtg cttcagcaat 420

gtcaatgatt tcctccaagc gacancgctg aactaactgg aagaaaaacc ttaagggaaa 480

ancggtggtc ctaaagtacc ttaaa 505

<210> 2410
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-A3

<400> 2410

acnttgcccg gccaggtaca agtctagngg gtcgacccac gcgtccgatt tctgactcgt 60

cccgtgactc agtgattctc ctcttccaat cctctccgga agaactaaac aaaaacacga 120

tctttctcag atttagagag agtaagagtg agagagtgtc agagacacga atcaaagaaa 180

tgatttttaa aagcttctgt taattctaat ttgcatagat ttgtttactc gagcttgagc 240

ttgagcttct tctaatggag ttaaggaagg acaagcttct tatgttttac tcagagggga 300

aagaaagcaa agaagctaaa tgggcagtga atgatccaat gagcaaatct tataagctct 360

ctttaccttc agcactaaga cctgataatc tcttacctgg gaaatagact tagatacact 420

gatgcttcta agtccaaatc ntctaaagtc tcaaggnaca aaggactatc ctgatcaagg 480

aatngagatt gtct 494

<210> 2411
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-A5

<400> 2411

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aaacaaaatc atgtctcgat ttgctatctt agtaaccttg gcacttgcca ttgccactgt 120

ttcggtggtt atagctcaag tccctccgga gaaacaattc agagtcgtca acgaaggaga 180

attcggtgaa tacatcactg agtacgacgc aagttacaga ttcatcgaat catcaaacca 240

gagcttcttc acatcaccat tccagctctt gttttacaac actaccccta gcgcctacat 300

cttagctctc cgagtcggac tcaggcgtga cgaagtctac catgcgttgg atatgggacg 360

cgaatcgcaa caaccccgtc ggagaaaacg ctacactctc actcgggccg taacggcaac 420

ctcgtcctng ctgaaactga cgggacgagt caaatggcag actancacag ctaaacaaag 480

gcgtcaccgg gattccaaat ctt 503

<210> 2412
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-A9

<400> 2412

aaaaaaaaaa cacacacaca catcaagttc accttggaca tggtatattt acctttagat 60

gcagcatcta agaagtgtag actcgttttg catactcaag acaaaagctg tcctaaagcg 120

tctgtgtgag gtggcaccgc agctcctact ccagccatcc agccatccat aattgctgtg 180

gaaagaagct ctaattggcc agtggttact cctgaaacat catctgctgt aacagagaga 240

aactcaaaac tttctgcaag ccatgaccta atctgtcttt gcagttcacc aaccggaagt 300

gtgaacaant aaagcagcta agggtttgtt tccaatggna aaaacttttg gcttcaacct 360

ggtanctccc tcangctttc ctccagtcac ttggctggcc tccccaatta tcccaan 417

<210> 2413
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-B3

<400> 2413

ctgttacgtt tgccnggccc ggtccagaat ncccgggtcg acccacgcgt ccgcccacnc 60

gtccgggttt cttcatcttc acaacaatgg cgtcctcact cactaggaat tgctctcgct 120

tctcaaaagc catctctgtc cgtttcatga gtaacctacc ggaaaacacc gtctacggag 180

gaccaaagcc acaaaaccca aaccaaagag tgacgctaac gcatctcaga caaaaacacc 240

ggagaggaga accgatcacc gtcgtaactg cctacgatta cccatccgcc gttcatttag 300

acacagctgg tatcgatgtt tgtcttgtcg gtgactcagc ttccatggtt gttcatggtc 360

acgacacaac acttcctatc tccttanacg aaatgcttgt tcattgtcgt gccgttgctc 420

gaggcgctaa acgacntcct cctaagttgg gtgacttgcc atttgggacc tacgaatcca 480

agctcta 487

<210> 2414
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-B6

<400> 2414

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ccacaaaatg gcgttcttgg ccgttattct cttcttcttg ataagcagca gcagcgtttg 120

cgttcatagc cgtgaaacgt ttgcttgcga tacaaaggac gcagcaacag ctacactgag 180

attctgccag ctttcagttc ctataccgga gagagtcaga gatttgatcg gacggttgac 240

attggccgag aaagtgagct tgttagggaa cactgcggcg gcgataccac gtctaggaat 300

caaagggtac gagtggtggt cggaggcttt acacggcgtt tcaaatgtgg gacccggtac 360

taagttcggt ggggtttacc ctgcagccac cagtttccct caagtcatca acaacgttgc 420

ctccttcaat ncctcccttg ggg 443

<210> 2415
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-B7

<400> 2415

acgcgtccgg ctagagtgaa aagtgagcca acagctttga gctcagggtt aaaaggaaag 60

ttggataact ttcctggttc aggaacagag aagagcaaac tggtaagcaa ggtgacaaga 120

aatatcccac gtcccaaacc gcggccgaag aagaagatat tgcttaaaaa gaagctaaaa 180

atcgttgtaa attctgctac aaaaatggtt gaggaagtcg atacttcctt agagcctagt 240

gcaagtcaac ttctgtgcca gaagtgccac tgtgcggtaa agagcaccag cactgaaaac 300

cacccgccct cgaatactag tcatactact gataaaaatg tcagtataga agcagatcaa 360

gaatcactcg caagcccgcg tctcattcgc attgtgaagt gtaataaaag aggccaacaa 420

ngggttcctc ggattcctgt gaaggttagt gat 453

<210> 2416
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-B8

<400> 2416

acgcgtccgc aaacattaag tagcactctt tttcctctct atatctctca ctcacacttt 60

ttctctatat cttctcctca acttggatat gggtgaagcc gtagaggtca tgttcggaaa 120

tgggttcccg gagattcaca aagccacatc acccactcaa accctccact ctaaccagca 180

agactgccat tggtatgaag aaaccatcga tgatgatctc aagtggtctt ttgccctcaa 240

cagtgttctc catcaaggaa ctagtgagta ccaagatatt gctctgttgg acaccaaacg 300

ttttggaaag gtgcttgtga ttgatgggaa aatgcaaagt gctgagagag atgagtttat 360

ctaccatgaa tgtttgatnc atcccgctct ccttttccat cccaanccca aagactgtgt 420

ttaaaaatgg gaaggaggtg aaaggc 446

<210> 2417
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-B9

<400> 2417

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gggctcagaa cgacgaccta tctatgaaga ttgaaacagc atactattct gttggaactc 120

ttgtcctttc agattcatcg ccacctgcta tgtcttctct tcttgttgtt agcagagatt 180

caagcgtgca ctctcaggct ggcagcagtt cagggccaag ttcaaggagt tctcgggctt 240

tacgagaagt tgtgtcttcc cttcctattg aaggccgtat gctttttgta gcagatgtgc 300

tcccctctcc tgatactgct gctactattc aatcattata ttcagaacta gaatactgtg 360

gtgtcgaagt ctccggagaa tccttaatga aaaaggatgt tggaaaaact ctggggcgaa 420

aaatgattct ttcaacccan cataattttg ccaaaggaga aaagaatggt tggtttttaa 480

<210> 2418
<211> 172
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-C10

<400> 2418

acgcgtccgg aaaatagttt cttaagagat tttattgtct tgcccttaca actacgaaac 60

acattattat aaagccaact agggaaaaca gaggtacttc aagtaagggc aagacaataa 120

aatctcttaa gaaaatagtt tctaatccat taaaaaaaaa aaaaaaaaaa gg 172

<210> 2419
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-C11

<400> 2419

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gaaaagcgaa acaacaccca cagagcaatg gcccctgctc tcgccgttac acgagatctc 120

accgccgtcg gatctccgga gaatgctcct gcgaaaggac gtgcttcggt ttacagtgaa 180

gttcaatcaa gccgtattaa caacactctt cctttgcctt ctgttctcaa aggagctttc 240

aaaatcgtcg aaggtcccgc tagttccgcc gccggggaat ccagatgaga tagcgaagtt 300

gtttccgggt ctatatggcc agccatcagt agcagtggtt ccagatcagg atgcaccttc 360

gtcggcaccg aanattgaag aattggtgtt tgntttgtcc tggaagtcaa ggcanctg 418

<210> 2420
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-C4

<400> 2420

cgcagagaag gccttccatg agcagctctc ggttgctgag atcacaaaca gtgcttttga 60

gccagcatcc atgatggcaa agtgtgaccc tcgtcacgga aagtacatgg cttgctgttt 120

gatgtaccgt ggtgatgtcg tccccaagga tgtgaacgca gctgttggca ccatcaagac 180

caagcgtact attcagtttg tggactggtg tcctactgga ttcaagtgtg gaatcaacta 240

ccagccacca actgttgttc caggaggtga tcttgctaaa gtccanagag ctgtgtgtat 300

gatctcaaac tccaccagtg ttgctgaggt gttctcccgt attgatcaca agtttgatct 360

tatgtacgca aaacgtgctt tcngttcact ggtatgttgg tnaaggtatg gaaaaaagga 420

gaaatttcaa ang 433

<210> 2421
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-C5

<400> 2421

agttccattc tttttcacaa agccattgtg ctgttttctc catttggatc aaaatggttg 60

ctgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngct ttggtcaaac 180

ctgaatccga gacacgaaag ggcctttact tcttgtcgaa tcttgaccag aacatcgccg 240

tgattgttcg tacaatctac tgtttcaaat ccgaggagag agggaacgag gaagcagtcc 300

aagtgatcaa gaaagctctg agtcaagttc ttgttcatta ctatcctctc gctggacgcc 360

tcancatcag tcctgaaggt aaactcncag ttgactgtac cggaagaagg attggngttt 420

gtg 423

<210> 2422
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-043-Q1-E1-C8

<400> 2422

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aggtgaactg gtagatgatg ctaaggcaat agccttaaag tatctctctt cttacttcat 120

cattgatcta ctctctatcc ttcctctccc acagatagta gttttagccg ttattccaag 180

cgtcaaccag ccagtctctt tgctaacaaa agactacctt aaattttcca taattgctca 240

atatgttcct cggattctcc gtatgtatcc gctttacact gaagtgacaa gaacatctgg 300

cattgttact gaaacagcat gggctggagc tgcttggaac ctctctctct atatgttagc 360

cagtcatgtg tttggagctt tatggtactt aatctcagta gaacgagaag acagatgctg 420

gcaagaggca tgcgagaaga caaaaggttg taatatgaaa ntcctcnact gtgaaaacga 480

ttggtaac 488

<210> 2423
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-043-Q1-E1-C9

<400> 2423

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gactcagaat tctcaaaggc gacaccttta acctcctcca ctctgtttct ttctccaaca 120

aaaaatgtca aattcccatt tgggtactct ctgtttcatc atctctttac tgggtttggc 180

caatttctca ctttctcaaa ccggtctcga tgattcgact atgcaatctc tcaaatcaag 240

tctgaatctt acatcagacg tcgattggtc taaccctaac ccttgtaaat ggcaatctgt 300

tcaatgcgat ggaagtaatc gtgttactaa gattcagctt aaacaaaaag gggatttcgt 360

ggaactcttc cctactaaat ccttcagagt ctctctgaat tgggtaattc tccgaagctt 420

ttttctcaat cgtaat 436

<210> 2424
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-H9

<400> 2424

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ctcttcttaa cgttagtcct ttcattcgtc aaaatctcaa tcatcttcct ccacggtctc 120

tgtacctata tccaacctga aaatctcaac caaaacaaca ccggaaatgg actccgacct 180

gcgattagac gaccatctag taccgacgat ccaaaatcta atgttgaagt cagaagaaga 240

aacagatcca aagataaatc cgaattcgac gaaagcaatg ctcagatctt tcgaattaag 300

ctcgatgaag atcatctcag atctcgaatg tatttcactg agtacaattc gctattcgtg 360

atatcgttct tagctgtttc ttgctttctt cnagataagt acttcg 406

<210> 2425
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-F4

<400> 2425

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tctctcntac caagttcaat cacaaggaaa tggagatcca ggcaaagctc atggaataca 120

gattccattt catggtgaca atcatggtga gcgtgattgt ggcgtctctc gtgtatgcag 180

caccaaggat tctgaacatt ttagcctatt tctggcctct gtttgcgtca acagccgcct 240

tcttagcgat ggcaatcacc tttggtggct ttcaacagct ttcagaagaa gccaccggcg 300

agagactgat ggattacgtc gccggacggc ctgaggattc tcacaagtac gactgacaaa 360

gatttgcaca caaaaacaac ttgagagacg atatagaagc taccacctaa gatgagtaga 420

atgagaatgg gcggagattg ggttcttgan ggnntcaaag atgggctcca aagnaaggcg 480

g 481

<210> 2426
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-F7

<400> 2426

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actctgccag gatggcttct ttgatcacaa ccaaagcaat gatgagtcat catcatgttt 120

tgtcgtcaac tagaatcact actctttatt ccgacaattc catcggcgat caacaaataa 180

aaacaaaacc tcaagtccct caccggttat ttgctcggag gatcttcggt gtaaccagag 240

ctgtaattaa ttcagcggca ccgtctccgt tgccggagaa agagaaggtg gaaggtgaga 300

gacggtgtca tgttgcgtgg acaagtgtac aacaagagaa ttgggagggt gaacttactg 360

tccaaggaaa gatacccact tggctgaatg gnacg 395

<210> 2427
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-F9

<400> 2427

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gtccgcggac gcgtgggaac gaaaggtctt ttctagtcta gtcacttcac ttctacggct 120

actgccatgg cggcttcttt ctcttccact gctcccacga caccggttct tcgattcaga 180

gccaactact ccaagcctct cctctctctc ccagattcgt gtttgaggat aatctcttcg 240

gcgatatctc cctctacacg cttaattgcg tgttcgttca agacagacaa gcttccgctc 300

ggtgccggcg tcaatctctc cggtggcccc gttgtcaagc gctctctaca gaagagattg 360

gtgataaggt ctgctactat tgaagaaata gaagcagaga agtctgctat tgagactgat 420

gttaaatcaa agatggagaa gactattgaa acgcttcggg acgagtttca actccataag 480

ggagag 486

<210> 2428
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-G10

<400> 2428

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ccgcgtgttt tttttagaat aacaataaaa aatttgtaca cacatggttt attattgtag 120

ataatattaa tatatatcaa acgaaatttt aaaagtagat gatttatgaa aataattttt 180

gcttatttta attagttctt gagtaaaatt atttatacat tctagatatt aaataatgtt 240

gaatttttaa ttgaataaac actttattat atataaaaat tgaaaaacaa agcaagccga 300

ggaatctctc tctaatctat ctccaagacg gaccaaacca gttttagttc tatctctcaa 360

tctctctgat cagctccatt tccaattttg ttggaaagta gataccttg agaatctaaa 420

ggatctccct ttatggcgga taaggacgtt ccttttgggg ttgaagatat tgttcagacg 480

cctttaactg ggtta 495

<210> 2429
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-G12

<400> 2429

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ccttacatca atgataaact ttgtagttgg agatttgttg tggatgaaga ttattgattg 120

cagcttatag gaagctgctc tttttgtttt gaacaatgtt gctaactttt cagattctta 180

taattaatca gtcttatgat gagaagttgg ttcttgatta catactacaa tcaagaagta 240

aacagtttat gcaatcttgt gacggttctt gtgttcaaag agtagatact tgttcttcaa 300

ggtggaggtt aacagaggac aattgacggg gtttttaatc gttgttgtat tgctcgaata 360

aacggaatca tggaaaggta taagattttg gaagagctgg tgatggna 408

<210> 2430
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-G2

<400> 2430

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tatttagcaa aaatttccag gaaaagagga gtatccgccc tacttttca gctgagaaga 120

tctttggagg aaccttgtta gctatgtgtt caagtgattt catctgcttt tatgattggg 180

ctgaatgtag gctgattcaa cgtattgacg tcactgtaaa gaatctatat tgggctgaca 240

gtggtgattt agtagccatt gctagtgaca catcattcta catcttgaaa ttcaaccgcg 300

acttagttac ctcacatttt gatagcggaa gacctactga ggaagaaggt gttgaggatg 360

cttttgaggt tctccatgaa aatgatgaac gtgttaggac aggtatatgg gttggtgact 420

gtttcattta caacaactct tcctggnaac ctaactaacg gggttggang gcaaaggtaa 480

cca 483

<210> 2431
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-G5

<400> 2431

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gg 52

<210> 2432
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-G6

<400> 2432

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cgccggtaac cggaaaaagt tactagaatc aatacgccgt cagttatcta gttccaatcg 120

ttctctcgat ggatttgttc ttctacaggg tggcgaggag aaaaatcgat actgtactga 180

tcacaccgag ctcttcaggc aagagagtta ttttgcttac ttgtttggag tcagagagcc 240

agatttctat ggagctattg acattggaag tgggaaatct atccttttta ttccaaggtt 300

gcctgatgat tatgctgttt ggttgggaga gattaagcca ttgtcgcatt ttaaggaaac 360

atatatggtt gacatggttt tctatgtgga tgagantaat caagtcctta aaggaccaan 420

tt 422

<210> 2433
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-G7

<400> 2433

tgattctgtt ttcagggttt tctttgcttt gacaatggcg gctgtagcta tttctcagtc 60

aagttcattg tctcctgatt ccagcaaagc tagcaatgcg gctgcatcga tcttcgcggt 120

tatagacaga gaatcgaaga ttgatccaag tgatgagtct gggagagttc ttgataatgt 180

taaaggagat atcgaacttc gtcatattag tttcaaatat ccttcaagac cagatgttca 240

gatcttccaa gatctctgtc tgtctattcg cgctggcaag acaatagctt tggttggaga 300

gagcgggagc gggaaatcga cagtgattgc gttgctacag aggttttacg accctgattc 360

tggtcagatc actcttgatg gagttgagat aaagacattg canctgaaat gggtaaa 417

<210> 2434
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-H1

<400> 2434

acgcgtccga aaaattcttc atcgactcaa attcaaaaac tcatctctct ctatctctat 60

ttctctggtt ccatagctca ccgtcgcatc gcagatctac tccttccgca ataaatttta 120

ccggcggagg tatcagatct cgccgatctg ttgtagcagc tactgtattt tgggcttctc 180

atttgatatt ggggaaacga ggagtagagg acgatggaaa atctgatctc tctggttaac 240

aagatacaga gagcttgcac ggctttagga gaccatggag actccagcgc tttacctact 300

ctttgggatt ccttgcctgc gatcgccgtc gttggtggtc agagctcagg gaagtcttca 360

gtcctggaga gcatcgtggg aaaggacttt ttaccccgtg gatntggnaa tggtactccn 420

aagggcccct tt 432

<210> 2435
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-H10

<400> 2435

acgcgtccgg ggaaagccga ttgccctaat agttgaagat gctgaaagta ttgaagccat 60

caagtcttct tccgcaggta gttctgaggt tgatacagtt aaagaagtcc ctgacagtgt 120

tgtagataaa cctacagaga ggaaagcagg cttcacaaag atcagtcctg ctgcaaagct 180

attgatttta gaacatggat tggaggcatc atcaattgag gcatcgggtc cctatggtac 240

attattgaaa tcagacgttg tggccgcaat tgcttctgga aaagcttcta aatcatctgc 300

gtctacgaag aagaagcaac catcaaagga gaccccgtct aaatcctcct ccacatcgaa 360

gccttctgtg acacagtcaa gataataatt atgaagattt tccaaatagt caaattcnca 420

aagat 425

<210> 2436
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-H3

<400> 2436

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gatgtgtggt tggtggctag atgtttgcac tgttaggatg ttcggtaaaa caatgtccca 120

cagggtacag tttttatcaa tttctcctct ggcaagctca cttgttcatt gggttgttgg 180

aatcatgtac atgttgcaaa taagcatctt cgtcagcctt cttcgagggg ttcttcgtcc 240

tggagttctg tatttccttc gtgatccanc agatcctaat tacaatccat tccgagattt 300

gattgatgat ccagtgcaca agcatgctcg gagggtactg ttatcagttg cagtgtatgg 360

aagtttgatt gtgaagctgg tatttttacc aagtcaaacn tgcgaa 406

<210> 2437
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-H4

<400> 2437

cngttcggtc gccaattccn gnnanaaatt cccgggncga cccacgcgtc cgtgaggatt 60

attnanacnn nntcancgac nntcccactt gctaactttc tagtctttgg cctcggccgc 120

gactccctca tgtgggcctc cctcaatcca ggtggcacaa ctgtgttctt ggaagaggat 180

cctgagtgga tagaggccgt cctcaaggac gccccatccc tcagggccca ccatgttcag 240

taccggaccc acctttctga ggccggccgc cttctctcga cttacaagaa cgaacccatg 300

tgtttaccag ctaaagcttt cccgatccgc tacaacgaaa agtgtccctt ggcgttgact 360

tctctccctg atgagttcta tgataccgag tgggatctga tcatggtgga cgcaccaaaa 420

gggtacttcc caaaagcgcc anggaaagat tggnggnana attttcctcg gccatcag 478

<210> 2438
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-042-Q1-E1-H7

<400> 2438

tgattgaaaa cattcaattg aaacaaaaca tattcaaaga aatcgaaaag gtttgttcac 60

cccactgcat tttggcgagt aatacatcta ctatcgacct cgatgtaatt ggtgaaaaga 120

ctaactcaaa agatcgcatt gttggcgcac atttcttcag tccggcccat ctgatgcccc 180

ttctcgagat tgttcgttca aagaatactt ctgctcaggt gattctggat ctcatggcgg 240

ttggaaaggc cataaagaaa gttcccgtgg tggttggaaa ctgcataggc tttgcagtga 300

ataggacatt ctttccttat tcacaagctg cacatatgtt ggccaatcta ggtgttgact 360

tgttcagaat tgacagcgtt attacctctt tcggcttgcc attgggccct tttcaa 416

<210> 2439
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-H8

<400> 2439

ggattagcca caatgtatct tcctctcctc tatcttctgt ttctggcttc ttgcttgaca 60

catcaagctt taggccgtgg tcgtggccgg ccatcaccgg aaggaagctt ggatccttct 120

tctcgcatca ccgtagtcgg agttgtctac tgtgacacgt gttctatcaa cactttctca 180

agacaaagct atttcttaca aggtgtggaa gttcatgtga catgtagatt caaagcaagt 240

tcaccaaaaa cagcagagga agtgaacata tcagtaaaca gaacaacaaa cagaagtggc 300

gtgtacaagc tcgagatccc tcacgtagat ggcatcgatt gtgtcgacgg aatcgctata 360

tcatcacaat gcagtgccaa gatactcaaa acctcctctg acganaaccg g 411

<210> 2440
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-F11

<400> 2440

acgcgtccgc ccacgcgtcc gaaagagaga gagagagaaa caaaaatggc gtcacagagt 60

tgctacaatg gaatccatcg tataaaaagg gttcatcctc tgattcactc tctcacattt 120

catcgattct cctcatcttc tcttccattc aaatctcaca ttccctcttc acaacaacag 180

cttcgtattc gctcatcttc ttcgctttct gatcttggaa atcgcaggca ttgttcgtct 240

actcgaggat ttcaattttg gtcatnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naccggcggt tcgtatttcc 360

gacgggaatc taatcatcaa aaaccggacg attctaaccg gtgtaccaag ataatgtcat 420

cacgacgtna gcatcgggaa gct 443

<210> 2441
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-B8

<400> 2441

ggggtgagtg agagagagag agaaactagc tccatgttcg aaacagagnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngaag 120

agaagaaata gaaaaaccag attcaatcta cctccgggta aatccggttg gccatttctt 180

ggtgaaacca tcggttatct taaaccgtac accgccacaa cactcggtga cttcatgcaa 240

caacatgtct ccaagtatgg taagatatat agatcgaact tgtttgggag aaccaacgat 300

cgtatcagct gatgctggac ttaatagatt catattacaa aacgaaggaa ggctctttga 360

atgtagttat cctanaagta taagtgggat tcctgggaaa tgggccaatg cctggtcctg 420

<210> 2442
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-042-Q1-E1-B9

<400> 2442

aaaaaaaaaa aaaaaaagta tctcaccgga aacgatttct tcgccgattc caagactttt 60

cttcctaagc tttttaacag atccggtgaa aatttcaaaa tccgaagaat tctctaaagc 120

tagggtttct taattcacga gacggaggtg atataattcc cccccgtcgt agctatgatg 180

atttcgagag gtttgtttgg ttggtctccg ccgcatatac aaccgttaac tcctgtttct 240

gaagtttccg agcctcctga gtctccatct ccttaccttg atcctggtgc tgagcacggt 300

ggtacaggaa cagcggcgca agcggatgat gaggaggaaa tggaggagcc ggaggagatg 360

gagcctcctc ctgctgctgt tcctttctct caactaattg cctgtgccga ttgccttgaa 420

tggg 424

<210> 2443
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-C2

<400> 2443

acgcgtccgc tcagaccaaa tcttcttctt cttccttctc tgttctcgac gaccttctca 60

aattcgatct caactcaaaa catttgtctg atccattaat cggattcaga tttttgtgaa 120

gattcaacaa cagatctgtg agtccattgg agtatattac tattcatagt gatacaatga 180

caagggttac acgcgatttt cgggattcat tacagagaga tggtgttcct gcagtatcag 240

cagatgtgaa atttgcttca agtagatttc ctaattatag aattggagct aatgatcaaa 300

tatttgatgt taaagacgat cctaaagtga tgtccatgaa agaggttgtt gcgcgtgaga 360

cagcgcagct tatggaccag cagaaacgtt tgtccgttcc gtgaactcgc ccaanaaatt 420

ttganaaggg tttggctgca accngcca 448

<210> 2444
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-D1

<400> 2444

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gcgtctttgc tgcccaagag cacaaaggaa ctagcgtcct ctttaaagtc ctctcggctt 120

tcgctttcag agacattagc ctgaccaaga tcgagtcccg gcctcaccat aaccgcccgc 180

ttagggttgt tggtgacggg agctttggga cgtcgaagaa cttcgagtac atgttttacg 240

tggattttga ggcatcgatg gctgagccgc gtgcacagaa cgcgcttgcg gaggttcaag 300

agtacacgtc gttcctaagg gtgctgggaa gttaccccat ggatatgaca ccatggtcca 360

tgacatccac agaagaagca tgaccccatc gccaaaaaca aactcaccaa taaatttatt 420

taaattattc tgttctttct cnttttgtga aaattgtagt atacatttga aatttaaacc 480

cttaagttta 490

<210> 2445
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-D11

<400> 2445

tttttctcta tcgatctagc agattctttc ggggaccaaa atcaaaatca tggtggatca 60

tcaatggaag gatttaatcg gataaaagag aagagacgga atcacgacgg gagaagagat 120

cgggaaatcg gaaaatcgga gatgatgggg atttctttcg ccgccaaact ccgtttccga 180

tctcgatttc gaacttcttc aatcgattct tattgcttcg ctcgtgaggc tttctccgat 240

tgtatctcct ccgtccattt cttcttctta taacctttt ctttgtcaga tatcgtccat 300

ggaagaggct gattttgccg agaaagatcc ttctggccgt tacatcaggt atgatgatgt 360

tctggggaga ggagctttca agactgtata taaggngttt gaccaaatnt accgggaa 418

<210> 2446
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-D2

<400> 2446

aacatttcac acacacattt gtcgaaatct taacaccaat cccaaatcag aaaaatcaaa 60

acttttttatt ttattttatc aaaatggcgc ttatgaatgg aagcatgaat ctatcatcgg 120

tcaaatcatc gatgatcaac caccgtcaac caaacttctc ctccgccgtc tccagaccca 180

cttctttccg gatctccgcc gtgcaaaccg acccaaaaac accagctgct tcatcggcgt 240

cggcggcgac gacgactccg gcaacgttga cgaagcccgt tggagttaat gtgggtaaag 300

gaaaatgggc accagagagt tggaggacga agaaagcttt acagcaaccg gactatccag 360

atttagctgc gcttgaagct gtgctagaga cgatngaagc ntttccnccg attgngnttc 420

cccgggaaaa actaa 435

<210> 2447
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-D7

<400> 2447

ctcgtgtttg gctagatgct gagttaggtc aagatgggaa gatgaggttt tgtgcagata 60

gtgattcaga tgtgtcgaaa gggatgtgtt cttgtttgat tcaagttctt gatgaggctt 120

ctcctgtaga agttatggag ttgaagactg aggatttagc tgagcttaat gttggtttgt 180

tgggtggaga gagatcgaga gttaacactt ggtataatgt tcttgtgagt atgcagaaga 240

agactcgacg attagtagcg gagagggaag gtaaagttcc ttcctttgag ccatttcctt 300

cacttgtgtt aacggctcat ggcattgaag ctaaaggaag ctttgctcaa gctcangcga 360

aatatttgtt tccggangaa tcacnggttn aanaaacttg caangtgttt taa 413

<210> 2448
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-D8

<400> 2448

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ttggaaagat gggtaacaag ataatctcaa tgatgaagaa agatagcaaa gatggaggag 120

gaggaggatc taagagcaag agaatgaatc ggtctcagag gaaattactt gctgatgaag 180

agatgttgca tcgtcgagct ctttccatgg cgattcatca agctcagctt tctcagagat 240

ttgatggatc tatgtctaga cgggtcgggt ctactagtac taggaaacgt actctctctg 300

acccgttttc taatggcaag caggttaagt cactactgat tctcaatctt ctccacactt 360

ataaaagttt caatcttgaa aagttcaaaa ggtttcattt ttaaatgant taaagggt 418

<210> 2449
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-E11

<400> 2449

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gcacaaatta ttctccagtt gtaaaatcgt tgatcgaagc aaagtcttcg ggtttctctg 120

atgtcttgtt cctggatgcg gcaactggta aaaacatcga agaggtttct acttgtaaca 180

tcttcattct aaagggaaac attgtatcca ctcccccaac ttcaggaacc attttaccag 240

gaatcacaag gaagagcata tgtgagctag cccgtgacat tggctatgag gttcaagaac 300

gtgatctttc tgtggatgag ctattagagg cagaggaagt tttttgcacg gggacggcag 360

tggtcattaa agcctgttga aaccgtgaca ttccatgaca aagaggggta aaaatn 416

<210> 2450
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-E12

<400> 2450

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tgagctgacg gcgattgact tgcaatggat gcatgtatta agcgaaggct gggcaagtcc 120

actcggaggt ttcatgagag aatccgagtt cctccaaact cttcatttta actcgctacg 180

tcttgacgac ggctccgtcg ttaacatgtc cgtgcctatt gttctcgcta ttgacgatga 240

acaaaaagca cgtatcggcg agtctacacg tgtcgctctt ttcaattccg atggtaaccc 300

cgtcgctatc ctcagcgata ttgagattta taagcatcca aaggaagaaa ggatagctag 360

aacatggggt acgacn 376

<210> 2451
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-E4

<400> 2451

ngttacccgc ccggttcggt cgncaattcc cgggtaaacc cacgcgtccg atcaaacagc 60

aancgtacta ttcagtttgt ggactggtgt cctactggat tcaagtgtgg aatcaactac 120

cagccaccaa ctgttgttcc aggaggtgat cttgctaaag tccagagagc tgtgtgtatg 180

atctcaaact ccaccagtgt tgctgaggtg ttctcccgta ttgatcacaa gtttgatctt 240

atgtacgcaa aacgtgcttt cgttcactgg tatgtgggtg agggtatgga agaaggagaa 300

ttttcagagg ctcgtgagga tcttgcagca ttgganaagg attacgaaga ggttggtgct 360

gaaggtggtg acgatgagga tgatgaagga gaggagtact aagaaggttg tcggttttat 420

gtgggatttc tattatctcg tgtttgtgtg aataaggctc naaactccta 470

<210> 2452
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-E7

<400> 2452

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tactcttccc tcttcttctt ctccactttc acactgtctc ctttgctcaa gacgctcttt 120

gtgttcggag atggtcttta cgacgccgga aacaaacagt ttctctctca gaaccgagtt 180

gacgcaagct ttcctcctta tggagtcact gtaggacaag ccaccggacg gtggtccgat 240

ggttctatcg ttcctgatta tcttgctaaa ttcatgggaa ttcctaaaat ctctccgatt 300

ctcctaacca cggcggattt ttctcacgga gctaatttcg ccatcgccga cgctaccgtt 360

cttggctctc ctccggagac gatgactttg tcacaacaag tgaagaaatt ctcgggaaaa 420

caaggaatna gttgggc 437

<210> 2453
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-F1

<400> 2453

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tgctccaaaa gctcgtatcg ccgcctacaa agtctgttgg aaagattccg gttgtctcga 120

ttccgatatt ctcgccgcct ttgatgccgc tgttagagac ggtgtcgacg ttatatcgat 180

ctcaatcggt ggtggagacg ggattacttc gccgtattac ctcgatccaa tcgctatagg 240

ctcgtacggc gccgcgtcga aaggaatctt cgtctcttcc tctgccggaa acgaaggacc 300

taacggtatg tcagttacga acctcgcgcc gtgggtaacc accgttggtg ctagtacaat 360

cgatcggaat ttcccaacgg atgctattct cggcgaacgg catcgtctca aaagaatnnn 420

cccnttaacc cgggagtacc ttt 443

<210> 2454
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-042-Q1-E1-B4

<400> 2454

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ctctacctca aaacgtccgg cgacgacagc gacggcggcg gagtctgtac atttccgtct 120

tctctgtccg gcaacaagaa ctggtgcaat aatcggaaaa ggcggctcag tcattcgaca 180

cctccaatct gtaaccggtt caaaaatccg cgtcatcgat gatattcccg ttccttcaga 240

agagcgtgta gtgttgataa tcgcacctag tggaaagaag aaggacgaat cgaatgtgtg 300

tgattccgaa aaccctggct ctgaagagcc taagcaagag aaagggagcg agtgtgcggg 360

gactagtggt ggagatgacg aggaagcgcc gtcgtcggcg cagatggctt tacttaaggt 420

tttccaaaga atantgtttg gggaagaccc ctgcaacggt tgatggggga annaattggg 480

ntaaaaggtg aaagt 495

<210> 2455
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-H1

<400> 2455

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ggaagaagaa gttcccgaca cttgtgagag actataaaag tatacgatct cctcctctcg 120

ctctcttcag atcacaaagt tttcgttttt agggttctct catcgatctc ggtttgtgat 180

cttcttcttc atcaatggcg tctagtgata aacaaacaag cccaaagcct cctccttcac 240

cgtctcctct ccgtaattcc aagttttgtc aagtcaaata tgaggatttt gatctcagga 300

ggagctggat tcattgggtt ctcaccttgt tgataagctg atgggaaaac gaaaagaatg 360

aaggtgattg gtggctgata actatttcac tgggttcaaa aggacaacct taaagaagtg 420

gattggtcat ccaagatttg agcttaaccc gtcacgatgt cacgggagcc acttttgatc 480

nagggtgatt aaaat 495

<210> 2456
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-H10

<400> 2456

atccatcatc gtcactttct cccggcgaat tccgttttat cgatttaagt aacgagattt 60

gtgcaaagat gactcaggac gtggagatga aagataacaa caccccttct caatcgatta 120

tctcttcttc tacctctact atgcagaatt tgaaggagat tgcancactc atcgatactg 180

ggtcttacac ganggaggtt cgtcgtantg ctcgtgctgt gcgtctcact atagggctta 240

agcagaaact cancggctct gtgctctctt ccttcctgga ttttgcnttg gttccaggat 300

cngaanctca ctctcgcctc tcttcctttg ttcctaaggg tgatgaacat gacatggaag 360

ttgatactgc ctcatnggnc acataagctg ctccntctaa gcatctacct gcagagctcg 420

a 421

<210> 2457
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-H11

<400> 2457

acgcgtccgg tcgatgtcac tcggcggtgg aatgtcggat tattatagag acggtgttgc 60

gatcggagca ttcgccgcca tggaaagagg gattttagta tcttgctcag ctggtaatgc 120

tggtccgagt agttctaagt ttatcaaacg tagctccatg gatcacaact gttggtgctg 180

gtactttaga tcgtgatttt ccggcgcttg cgattctcgg taacggcaaa gaatttcacc 240

gggagtttcc tttgtttaaa ggagaaagct ttaccgggat taaattgttg cccgttttaa 300

tttacgctgg ggaaatgcta ntnaatggct actaaattgg gtaatcctct gttatgaccc 360

ggaacttttg gattcccggg agaaaagnta aanggggaaa naattgtgat ngttgttgat 420

aagaaggaaa ttnaatgcta ggagttcaga aaagggtgat gttgggttna aagc 474

<210> 2458
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-H12

<400> 2458

aaaccaacaa aaatccaact caaaatcgaa gaccgtgaag agcttgaaca atcccgcaaa 60

tctcaaccat ccagcaccac anncaccgca ccatcttcct cctccgccgn ctcctctctc 120

caccacctca tagacccaaa acacaaaaac ccttcctcca aatccgaccg aatcggtctc 180

tcttaaaaca ctccatggaa gtcgaagtca agctccgtct cctaaccgcc gctgctcatc 240

tccgtctcac cactctcctc actccatacc acctcaanac ccttcancaa cgcaacacct 300

tcttcgaana cacccaaaaa cgacctctct ctcngccgcg ccgtcctcng tctccgcttc 360

nttcaaaacg ccgccgtttc cgcggcttct cnttctccgc gcgttgtatc gtcnct 416

<210> 2459
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-H4

<400> 2459

ttnctccttg attttcgcat tctttagagt cttaacgcaa agatgagacc tcctctaact 60

ggaagtggtg gtgggttcag tggtggaaga gggcgtggtg gatacannnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttcagc 180

gaccgtggtg gtcgcggcaa gangaagagg accaccacgt ggtggtgctc gcggcggcag 240

aggaccagct ggccgtggag gcatgaaagg aggaagcaaa gtgattgtgg aacctcacag 300

acacgcanga gtgttcattg caaagggtaa agaanatgcc cttgttacca agaatttggt 360

tcctggtgaa nctgtctaca acgagaagag aatctctgtt cagaacgaan attggancaa 420

agactgaata caaaattttg ga 442

<210> 2460
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-H8

<400> 2460

cgngnaaaac caaaattccc gggtcgaccc acgcgtccga aaccaaaacc aaaaanatag 60

cttatctctc tcttatcacc ggttcaatca ctaaaccatg gcgacctccg tcgataaccg 120

ncattatccc accatgaacg gcgtcgctca agccttcaaa cctcctctcg ttccttctcc 180

tcggctcant cgaccgccaa cgtcaccaaa accaaactct cgacgtcatc ctcagcgaaa 240

ctaaaatcgt caaataancc cgatgtcatc atcancgtcg tagacagtta cgaacgactc 300

ctcaagcgac gacgaagacg aagagccata accgtaacgt ccttactaca anagagctgg 360

gttanaaaat canacagcga tttagaaccg tcgattttag atccgagaga tgaatcaacg 420

ggtgaatagt tggnttcaac gtaactcatc catgctccgt ctcancgggg aaaacatcca 480

attcaangcc ga 492

<210> 2461
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-A1

<400> 2461

acgcgtccgg gtaaaacgcc aaaacaaaac gccatttttt gtcgattctt cgtcgtcctc 60

ctttgaaatt cacaccaatt tgtctctctt cctagagaaa caaangatta ttcgaaactc 120

gggaaagtat catccggtca ccggaaaatt gattatttcc gatgccaata ggtgaccgtc 180

agaatccgag tgtggagaan aagaagaacc tcttcaggct atgtccgttt tggcagagga 240

gaagcaccac ttcttcatct tcaacacaga atccaaacca naactaccgt agccgccatg 300

gaaatcggga tacagatatt tccgccgtct ctaagcctcc gttgactatg tcttccgtcg 360

ccaagatnac ttcttccagc tcgccgtcgt ctccgactag attcttccaa gttanctgta 420

attccc 426

<210> 2462
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-A11

<400> 2462

gtcnacgcat ccgaacagtt gcaaggataa tatcagccca ggatcaattg gtggaagttg 60

cgaaagagga ggcgagttcc ataagtaata taattgctca ggctaccaag tagtcctttt 120

ctgaactttt cttatgcagc tgaaacaatc gtaaatgagt taatattttc cttaaactct 180

gagatattct cttctgaatc acacttttgt ttgtcaaaaa aaaaaaaaaa gg 232

<210> 2463
<211> 425

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-A2

<400> 2463

gtacatacaa acaaagagtg gtgcacctcg tcaactcgac ttcggacgag tctttgttat 60

gtcaaggtct ggctttgaat gatgacttgc agcgtgtctt aaccaattat gaagcaattg 120

cttctggatt acctggaact tcttctcaga tcgagaagcc caagtccgag acaggaaaat 180

cccttgttga tgttgatggt ccacttattg atacagggga cagcagtaat caggcgaacg 240

gagctacatc gagctctggt aacggggttc taaatcagtt ggccctccct gcaccacctg 300

taactaatgg ttcagccaat tccaaaatag acctcctcag tggcgatgat cttgcccttg 360

ttcctgttgg acctcctcag ccagcaagtc ccggttgcat caagatnaaa atgcactcgc 420

ccttа 425

<210> 2464
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-A4

<400> 2464

cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc 60

ctgataatgg gagcctatga aacagaaaaa ccaactaaag atgcggcggc tctagagaca 120

cagtcgccgg aagatttcga tcaaccatct ccgcttcgta aaatcatctc cgtcgcttcc 180

atcgccgccg gtgtacagtt cgggtgggcc ttacagctct ctcttcttac tccgtacgtt 240

caactcctcg gaatccctca caaatggtca tctctcattt ggctctgtgg tccaagtctc 300

cggcatgatt gttcaaccaa tcgtcggttt ccacagtgac cgatgtaggt ccaaatttgg 360

tcgccgtcgt cctttcatcg cc 382

<210> 2465
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-041-Q1-E1-A5

<400> 2465

acgcgtccgc aatttttata gctttcttcc tctccaaaac cacaccaaaa aaaaaaaaaa 60

aaaatttgat tttcagatcc aatcaaccag agatgagaga taacaacaat aacaacacaa 120

gagaagaaga gagaagcagt tcttcaaagc agcaacaacc acaagctcct atgtctttga 180

agatcataga ttcatgtctc agactaagtg tggttcctct cagtgttgca accatctggt 240

taactgtcac taaccacgaa tccaacccgg actacggcaa tttagagtac aactccatca 300

tgggtctcaa gtatatggtt ggtgtgagtg ccatatctgc tatttatgct ctgctctcta 360

ctgtttcttc atgggtcaca tgtttagtct ccaaagcttg gctcttcttt atcctgacca 420

g 421

<210> 2466
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-A7

<400> 2466

ccagttactg tcaaaaaaaa taaatgaaaa cgtaatcgaa gaaaaggtcg tgttttctaa 60

gtgttgcaga aaatggcaac tactagtact actacaangc tctccgttct ctgctgctct 120

ttcatttcat ctcctctcgt tgactctcct ccttctctcg ccttcttctc tccgattcca 180

cgattcctca ctgtccgaat cgcgactagc tttagatcga gctctaggtt tccggccacc 240

aaaatccgca agtcttcact cgccgccgtg atgtttccgg aaaattcggt tttatcaaga 300

tgtctgcgcc gtttggagtc actagcatcc gttgcgttct cgtgcctcgg tttctgggga 360

gagattggca aacgtnggca tnttcgaaca anannctcat ccggaagcnt gtgcaat 417

<210> 2467
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B1

<400> 2467

aagaactcaa gctttccaac actataaatc tataatacag cttttattct caaattttgt 60

ttgtcttacc atcattacca aaccatgcaa gccgcaacgt cgtgtgatct caagttccga 120

tcaacagatc cgacgtctag gaacaaatgt ttctcccacg cgattccaaa gcgcgtggct 180

gttacgtgcg gttataggtc ggagtcgttt agcttcccta acggtgtctc cgtgagtcga 240

tctgattggc aaagctcatg tgccatttta tctagtaaag ttgcttctgt tgaaaatacc 300

ggtggtttag cggacaaaat cgccgccgtt aatggtcaca cgaacggctc tgtgaatctt 360

ggtcccgtcg ccgttgngtc aactaacgga aagttagctc ctggctcaag ccgttgacta 420

aata 424

<210> 2468
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-041-Q1-E1-B10

<400> 2468

cgttatcctg ccgcnaccgg tccaaaatcc cgggtcgacc cacgcgtccg gagaaaattc 60

acttttccaa tcaaaacgta aagaagaaga ggaagaatgg ctacatgtcc tcctttcgat 120

ttctcgacca aatattacga tggtgacggc ggatgccaga ggcagagcag cttcttcgga 180

ggcacgacgg tgctcgatca aggcgttggc tacgccgtga ttcttggttt tggtgctttc 240

tttgccgtct tcacatcttt tttggtatgg ttagaaaaac gatatgtggg agctcgtcat 300

acatcggaat ggttcaatac agcgggaaga aacgttaaga caggacttat tgcaagtgtc 360

attgtatcac agtggacatg ggctgcgacc atactgcaaa gttcaaacgt agcatgggca 420

gtatggggtt agtggaccgt tttggtacgc tagtggagcc accatacaag tgccgttgtt 480

tgggg 485

<210> 2469
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-G9

<400> 2469

acgcgtccgg aaaatccatt attttgtttg accaaaaaan aaaaaaatca tttttgtgtg 60

caataatggc gatgatcata ggcttacttg aaatcttcat cgcattcatt ttcttctttg 120

tctaccagtg tttctcgctc cacaagaaaa ctccaaagca tatggtcatg aactggccgg 180

tccttgggat gcttccgggt gtgctcttcc aaatccctcg tatctacgac tttgttacgg 240

aggctcttga ggcagaaaat atgacgggtt gtttcatagg gccatggctt agtggaacag 300

acatattgct cactgttgac ccggtgaata tccagtatat tctaagttca aacttcgtga 360

attaccccaa agggaagaag tttaacaaga tctttgaatt cttgggagat gggattttca 420

acgttgactc cggcttgt 438

<210> 2470
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E4

<400> 2470

tttcgttggn cggcccggtc naaaatnacc gggtcgagca cgcgtccgtt cctcttccac 60

ttcatctaat tcctcatcct ccaccgcatc agacccatta aaaccatcaa aggatggctc 120

accgtcaaca gatgaggcat actcctcctt gagatcagcc tcagactctt cttcatcctc 180

gtcggaaatc acataatcct catctgactc atctgaaccc ttatccttag atctaacctt 240

tctattagaa tttctagccc aagacgtgtt tctctttccc atatgctcct caaaataaga 300

tatagaaaca aaccactaag gcactaatct aaatctaaac tcatcaacca aaaacacaat 360

gattccttca gctccgtctt gttctaaaaa cttatatagc ctagaccaaa tcacccaaga 420

aatctcaaac ctcaattctc cgaattcaga gcaagaagat ntgcaaaatc aacccaaana 480

acaaacaaga aatcaagga 499

<210> 2471
<211> 448
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E6

<400> 2471

acgcgtccgg tcgtctcttt ctcagatcga ttttcggtta tgccgatcaa cggttaatct 60

ccgccgtttg atttcatcgc cggagaggat ctttctccgt ctacgtatgc cctttcgtat 120

acgcgtttcg tgttttgatt ttccccgaaa cctttcgttg ttctgggtta ctgtgtgagg 180

aaggacgtgc aaatttgttt ggaagttgtg ttaagttaaa gcagagtatt gganatcgtc 240

tgatagagaa gagaatagtt cttgtgtaag gttatgggtt cagtttgttg tgtagctgtg 300

aaagacanaa angttcctcc tagtggtgga cctgcgagtt catctgttca tcggaattca 360

gcatgttcgc cacaatggag ttttcgacgt gataatanga ggcgagtggc tgatgagatt 420

gagggttcac cttattacag tccttaag 448

<210> 2472
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E7

<400> 2472

ttccnatctc acagngacaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnntct ccggtgtatt ccgttctccg ggaatttctc 120

ngaagaggga gagaggaaaa nnaaaacgtc cgattcaatc tcttcgttgc tcgacgaatt 180

tttcttaagc tttccttatt ggagatttga agattcngag tggntgttat gataatgtgg 240

gtttgattag ttcttcacag anagcttctc aacgcgcatg gattcttctc tcgatggagc 300

tgcangtgac tcatcnaaat gcantgaaat gagtgttgat gaagaagaga cagcntgttt 360

aagaactgtc gaagcaatca catctagctg ctgaagtctt gcaaggcatg gancngnnaa 420

agagaatcca acanatttt 439

<210> 2473
<211> 419
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E9

<400> 2473

gntacttagt ctcaatcttc tctttgtctt tgtttcatgt gcttcttcca tagagtttgt 60

ttaccctaat ttcacaanct tctanncctc anattcgncg atagctccaa aggagctttc 120

ctcttgtctc gtaattccat cttcaaagcc ggtttattca gtcccggngg ngatgattcc 180

tctaccggtt tctacttcnc cgtcgtccat gtcgattccg gntcaacaat ctggtcatca 240

aatcgagatt cccctgtttc angctcnggt acaatgaatc ttactcctca aggaatctct 300

gttattgaag atggtaaaag tcaaatacca gtttggtcaa cgccggtttt aagcttctcc 360

ggttaantcc gttcggttaa ccgacgccgg tagtctcctt cttcttgatc acttgaacg 419

<210> 2474
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-F1

<400> 2474

gaccggtccg anaattaacg ggtcgaccca cgcgtccgct taactctctc tctttctctt 60

tccccttttct tcttctgaga tacgcttctc tactccactg ccatggagct ctaatgggtc 120

tctgcaattt tcattctttt cctcttttct tctgagaatt tcagctcaag aaccatggat 180

gagtcttctc ttgttcgttt tgtgttcctt ctctgtttgg tttcgtcgtc tgtgttctgt 240

ttggctgagt ctgaccaaaa cgcaaccgtt tcttctgctg tttacattgt tactctcaag 300

gaccgtccat ctgttcattt ctccggcaag agaatcgagt gactctaaac acaagcctta 360

ccgctacttc gtcccaaatt tacaagaaca ttgaaccgaa gtgcttctat tattaagagt 420

tcangattca ttgctgagaa atgtattgag aaaggagaat tancttaaag cnttaaaggt 480

aacaact 487

<210> 2475
<211> 445
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-F3

<400> 2475

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gaccatggat ccaggagatc ctacttcgat acttttcaca aagatcagaa ctttagaacc 120

agatttcgct tccaaaatca ttggntactt gcttttacag gacttgggta agacagattt 180

gatgcgtttg gctcttggac cagagactct cttgcagtcc gtttgtctca aagctaaatc 240

tgctttaggt ctttcttcta atggatcntc ttcngcttct tcgccattga accctatctc 300

caagacccat taacatccac cgtcattctc tctctcactc ttcaccggga aatgggtttt 360

cgangaaccc tttgtctccn tcttttgcta ctcctgggtc actcgggtag taaccctaac 420

atgaattcca atccgtttca aagca 445

<210> 2476
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-F4

<400> 2476

actgttacgt tggccgggcc cggtccnaaa ttaccgggtc ganccacgcg tccgcacaag 60

tcaactttgc attataactc catttgccct cctggttcat cttgttctct accatggctg 120

attcaaaatc tggtgacacg gaagtagcgc atcgctcnag cgatccaagc gaaaagcgtg 180

gtggctggat cactttaccg ttcatgctag ttacattatt aggcatgtcc ataacttctt 240

tcggatgggg aatgaacttg atcgtcttct tgatcgagga attccacatc aagaacatcg 300

ctgctgctca gatttcaaat gttgtcaatg gagttgtcaa catgttacct gttgttgcag 360

ccatcctagc tgattccttt tttgggaaca ttcncgtcat ctccacctcc actttcattt 420

ctctggctgg aacctctctc ttgaccttaa tcacatcctt tgaactactt gatgcctaaa 480

accgtgtnaa accggggca 499

<210> 2477

<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-F8

<400> 2477

ggtaccgant ccaaaaattc ccgnggtcga cccacgcgtc cgctcttttc tctgtctttc 60

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cagaacgaat canagcaaga ggacccagat catcctctgt taactctgtt cctctgattc 180

ttgacattga agacttcaag ggtgattttt catttgatgc attatttggg aacctggtaa 240

acgacctctt gccgtctttc ctangacgaa gaagcagatt ctggggatgg ccatggcaac 300

attgctggag ttgatggttt gacaaatggg catttacgtg gacagtctgc tcctttgtcc 360

tctgctcctt tttttcctga agtagatggt cttttgtctc tgttcaaaga tgcttgcaan 420

gagttagttg atcttcggaa gcaagttgat ggaaagctca atacactaaa agaanggaag 480

tttcaaac 488

<210> 2478
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-G10

<400> 2478

gcttacgccn gccgaaaccg gtccaaaatt cccgggatcn atcntcntca tctttgtttc 60

agcttcncct ttgaaactag attatctccg ttaatggcgc ctcagatcta accttgggag 120

ttatatatat atacttgttc aactcttctt cgaacgctgt ccaacttctt cctctggttc 180

gatcatcgag atctcgaggt tatttggccg caatgcagaa gcgaatagcc ttgtcgtttc 240

cagaagaggt actanagcat gtgttctcgt ttattcagct ggataaggat aggaactcag 300

tctctctggt gtgcaagtca tggtacgaga tcgancggtg gtgcaggagg aaagtcttca 360

tcgggaactg ctacgccgtg agtccagcga cggtgattag gaggttcccg aaagtgagat 420

ccgtggagct taaaggaaaa cctcactttg ctgactttaa nttggtacct gacgggat 478

<210> 2479
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-G2

<400> 2479

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tctccggaga tgtataataa catgggacct caaccgggga tgccaagacc tccangaaac 180

cctgagcctg gtccatttgg taatcctttc actggagctg gctcgggttt tatccgtggt 240

ggtttgggan cgtangggga gagaatttta ggatcnagct ctgantatgt tcanagcant 300

ataagccggt acttctctga tccgcaatac tatttccaag tgaatgatca atatgtgagg 360

aataaactga aggttgttct gtttcctttc cnacaccggg gacactggac caanaatatc 420

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cttgtacatt cccntta 497

<210> 2480
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-G4

<400> 2480

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taaggaagta tttgaaanaa gaaggtggca agcaagcggt tctttcnagt actttggggt 120

cnttaatatg ggagaagcct acatggaccg acttcaagca gcttgccaaa gaaagcgaat 180

ttgcggcatg gacgcttatc cacggctaca caatgaatca tcttgctttt gcggttcatc 240

gattcaaaca tcgtttcagt gacatcaaat tcgtcaaaca gcgtcttgag gaaaagggat 300

tcaaactcaa cagtgacgga gaaatcctca aagtgagtca agatggtcta ctatttcaag 360

tttcatcgat ctcggaaagg cttccggtaa catttgcaag atggagtaac tgaaacaatc 420

ccagcttcat acattgaatt cactcaagcg tcaagttcct ccaaaggtca aaagatgtgc 480

cgcctgaaga agattnaag 499

<210> 2481
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-G5

<400> 2481

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cttagcatat tctgctcttc ctctctctgt tgttcnctgt tccaaaggct ttgagaaaaa 120

atggagttcg agaacnggta cggacttgca acgtcgcaga agtacgactg tctcttgttc 180

gatttggang anactcttta tcntcttagn tccggaatcg caagagaatg tgggaacaac 240

atcanagatt acatgaccga naaactcggt atacctaang acaaaatcgt cgaattgtct 300

gatcttctat acaagaacta tggaacaaca atggctggtc ttagggcgat cggatatgaa 360

tttgactacg atgagtacca cagcttcgtc nacggtcgtt taacctatga caacataaaa 420

cncgaccttg ttcntcgcag cctccttgct tagcctccct ctccncaaaa gtcatcctta 480

caaancggac aa 492

<210> 2482
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-G6

<400> 2482

acgcgtccga gccccaatag caaagataga aaaaagaaac tttatttctc ttagtaatac 60

aataatccnt atagaacggg tcaagcaaga tatcttttt gtttgtttcc cttgttaatc 120

gttataaact tgtttctcaa taaaacttga gtttttaaaa atccagtctt gcaaattcat 180

cgacgatgtt agatccttct tctgctaaat ccttcaatac ccatttgtgt tttccgagta 240

ttcccaatga tgatcactca gattccggtg tctgttcgcc tactttgtgg agaaccagtc 300

ccccgaagag tcctcctcct tttcaccggc cggaagatta ctgggagtct ttcgccggat 360

tctaaagcac aggctattgc tcgtggtcaa cggggagctt aaggnaatgg ttagtaaaga 420

tgcctgagtc cgtgttacga gctttcantg aagg 454

<210> 2483
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E3

<400> 2483

cnctttcttc cntcctctcc gatctccgtt cacatctctc tctcatcttt agcttcttct 60

nttttgcct tgtgggttga aagtttctat antttctcnt tctcntctgt ttacacaacc 120

cattttcagg ctcaagcagc ngaagaataa cgatcannaa ccannnnaga ngaaaacgaa 180

tctgttctta gctttgatgg gttcttgctt cagttctcga gtcaaagcag acatcntcca 240

caatggtaag agcagcgatc tttatggtct aagtctctca agtcggaaat cgtcttcgac 300

tgtagcggcg gctcagaaga cggaagggga gatattgagt tcgacccctg tcaaaagctt 360

caccttaac gaaactcaaa ctcgccacaa gaaacttcaa gancaagata gtgtgatcgg 420

gagaaagggg gctttgggtt gtgtccttn 449

<210> 2484
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-C1

<400> 2484

ctgttactct tgncccggcc ggtccaaaat tcacgggtcg acccacgcgt ccggtttaat 60

acatgtcctc ttcgatggaa accaattcac gggcgaaatt ccagagaccc tcagtctcgt 120

taaaacgttg acggtgttac gccttgatag gaacaaactc attggagata ttccttcata 180

tcttaacaat ctcacaaatc ttaacgaact gtacttggcc aacaacagat ttactggtac 240

tcttccaaat ttaaccagct tgaccagtct ctacacattg gatgtgagca ataacacttt 300

ggatttctca cccattccat catggatctc ttcattaccc tccctatcaa cattaaggat 360

ggaagggatc caacttaatg gtccaatacc aatctcattt ttcagccctc ctcagttgca 420

gactgttatc ttaaagcgaa atagtatagt ggaaagctta gactttggta caagacgtta 480

agcanccagt ttgaatttgg tgg 503

<210> 2485
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-C10

<400> 2485

acgcgtccgc ccgtgtctag ggttttcttt cgtagctgat tgggggctgc aagagtttcg 60

ccgaggacga ttgagaattt tgattttcga aaaatggatt ctgtggagga agaaggtgtt 120

gttagggttg aagaagagaa cggacgcggt ggtctccgta ggcatcggag ggtttctacg 180

aagctggcga attacgtaga tcctccgact gacgacgaag aagatggagg acccaagcga 240

aagggcaaaa ggggtggaaa tagggctccg aaaaagacac cgaagaaaga cgaggagatg 300

caaaagaacg aaattgatga agcaaaccga gtcactggtc tggtgaagga aaaaagagcc 360

gcgactaaga ttctgaatcc caanagactc cattaattga anttaggaga agcntccngg 420

aaaccatgcc caagggaant aaagg 445

<210> 2486
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-C6

<400> 2486

acgcgtccgc ancaacacaa cacacgcaga agagagagag agaacantca aaaagaagga 60

gcggttacat attctctggt ctgtcacaag aaaaatggat atctgtatgg acaaggagcc 120

agatggtgtg gtggtctatg cgaacggtga ttcgtgtaat ccaaaccaan aaaatgtttc 180

tgagcctctc ttagattcag tatcangcga tgatgctaat gtacatacag agcttcgata 240

tggggaagag aacatcgaag taaacgaata tgatgttaaa gagtgtacta ntgagatccc 300

cgttggtaag ccgataggag atgattttga gtctaaagat gtcactaagt caagtttaca 360

tgcaaagcat gcttcaaaat caggtacagg gaataacaag gcaaggaaca cccgttccac 420

aaaccgtttt cctttagcaa ctgagaaact tcctcc 456

<210> 2487
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D1

<400> 2487

acgcgtccgc gaaaagctaa gaactttctt cgtctctatt ggtctctcac tctctctctt 60

acctcttctc atttgttctt tctccttcta aattgggtta tcaagtatat tggatcaacg 120

ggtttgattc acgatttgtc atttcatctt cgtggagaga gtttgatctg atttgttgat 180

cgtcagcgtt atgtctagtc cgagaagtaa caagccgaag attgtcaacg gtcctggtgg 240

ttatattcta caagacgttc ctcatctcat tgattacctt cctgatcttc ctacttatcc 300

aaatccattg caagacaatc caagcttact caagtggtta agcaatactt tgttcatgct 360

gatgatagtg tccctgagaa ggttgttgtt cacaaggatg gtccaaagan gagtccaatt 420

caagcgtgct gggtccaacg tcnaaaaggt taactttgag t 461

<210> 2488
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D11

<400> 2488

gcttacgcct gccggnaccg gtccagaatt cccgggtcga cccacgcgtc cgcccacgcg 60

tccgcccacg cgtccgccca cgcgtccgct tcttcttggt ctcttctcca tctcatcgga 120

gctgatctcg aattgttctc cgttcatttg ttacggtgga gatgacatcg gatcaccgcg 180

acgctctttt ctctctggaa ctggaatcgc ctgatccgga cgaaggaggt gtagcagacg 240

gaggagaatc tgataccgac gaggatttgc gcgacaacga tgatgttgtt atgccgggaa 300

cgaacgaagc tgaagctgaa gacgacgatc ccgaagagga agatctcaat tctccgtcta 360

catcatcact ccccatggtt tctacgatct cagcgactgc tgttgtttcc gggaccccga 420

cggcgacttc ctctacaggc gccgtgaccg ttgcacttcc ggctggattc gccgtccctg 480

tctc 484

<210> 2489
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D12

<400> 2489

gnaagtgttg acgcctgccg gnaccggtcc agaattcccg ggtcgaccca cgcgtccgca 60

ncaataatga tgattcctta ttaactacga gccagatttg ccatggagct cacgaccaag 120

actcatgcca ngctctcttg tccgaattca cgacgttgtc gctctcaaag ctcaaccgnc 180

ttgacctatt gcaggtgttt ttgaagaact cggtgtggcg gcttgagagc acgatgacca 240

tggtgagcga ggctaggatc cgctcgaacg gtgttagaga caaggcaggt tttgctgact 300

gcgaggagat gatggncgta tcaanggatc ggatgatgag ttcgatggag ggaacttcgc 360

ggaggaaact ataatcttga gtcatactca aacgttcata cttggctgag cagtgtgctt 420

acaaactaca tgacatgttt agaaagtatt aantgatgtc ccccgtcaac tctaagcaaa 480

atagtcaaag 490

<210> 2490
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D2

<400> 2490

cttcctcttt ctctacttca tacataattt catttctcag gtttctatat attttcttct 60

ccactttta taatttatcc gcttgtctgc tatctcttac attaaatcta aacctaaatc 120

attagaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnggca tggctggtct cgatctaggc acaacttctc gctacgtcca 240

caacgtcgat ggtggcggcg gcggacagtt caccaccgac aaccaccacg aagatgacgg 300

tggcgctgga ggaannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naggtttaga 360

tttaatagct tctaatgata actctgggac taagcggcgg tgggangagg anggagcggt 420

gacctcgtca agcgtccggc aa 442

<210> 2491
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D3

<400> 2491

acgcgtccga aattacgacg ttgacgctcc ctcagtctaa aggattcnga ggttgacgct 60

gaactaaata atgggagaag agctgcanta tcagcagaat ggttcatctg tgacatctaa 120

ttatggntat ggaagttcgc ttgcttacga tcaatctcaa gacattgaat ctgccgcaaa 180

cactgctctt ctccgagaac aagaaatata aacgcagaag attatacaag gtcaaagaga 240

actgggactt cagtatccgg agactctaag cataacactg atattcttcg agatcgtgct 300

gaccccaatg ctctaaagga acatttgcta aagttcactg cacatcatag agcanaagca 360

gcggcaaagc gtgggtggga gtgtgantac atgcagataa ggtaatgtgg atgttggaaa 420

cngttatggt ataacgggtg gaattgcata nccggg 456

<210> 2492
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D5

<400> 2492

acgcgtccgc ggacgcgtgg gctcacanan acctcacctt tccaccataa cattgtttct 60

gttctanttc acacaagaac agaggacana agaaagaacg ggtctttggt cggaaagttc 120

gacnctttta gnancttcan atgttcnaat ctcgaaaaan atgcaacttt actctgcaat 180

tttccgagga catancanac ctaacgccgt cgtcngtgct gcctccatgt ttattcaaca 240

taagtccatc gnagcttcat cgganccccta aattgttgtt ganancttcn tctgtagtaa 300

ggtctcttca ttgccggagg tcaggtggat tggttacgca ttctcaagag gtcaagggtc 360

ttgtgtgtga nagcaactcg tggtgaggcn tcgtccatcg actcctggga tacattggag 420

agcagccnaa t 431

<210> 2493
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D6

<400> 2493

acgcgtccga aaacatcana tcatgagtgg gcaagagaat catgatcatg gccggatctc 60

ttctacgccc gccgccgcgt cggagccttc caaggctgct gctcannnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncac 180

cggtgccgcc gcaaccanca tgccagcgga atccaatcct tacgtttctc cttcccctgc 240

cccaaggaat acgatggatt cggtgaagga tacgttaggg aaatggggga aaatggctgc 300

cgacgccacc aagaangcng aggatctcgc cggaaatttt tggcagcact tgaaaacagg 360

cccaangtgt agcaaatgct gctgtttcac gaattgctca ngggacaaaa atacttgcan 420

aaggtggata cgaaaaaggc tttaagnaaa 450

<210> 2494
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D7

<400> 2494

nnttcgagca angcganggt cgcanctgct tcaatcttcg cgatnatcga tagangntca 60

aagatagacc cgagcgatga gacanggaca gtgttggaga atgttanggg agatattgag 120

ctgcgtcant taagcnatac ttatccagca agaccanaca ttcanatctt tcgtgatctt 180

tgcttaccca ttcacgcagg aaagactgtt gctctggtag gagaaagcgg gtcggggaaa 240

tcaacggtga tcncgctgtt acanagattt tacgatccag attccggtca tataacttta 300

gatggagttg agctcaagaa gctgcagttg aaatggttga gacaacaaat gggactagtg 360

ggacaagaan ctgtcntgtt caacgacacg attcgagcca acattgctta tggcaaagga 420

agcgaanaag gcccc 435

<210> 2495
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-D9

<400> 2495

gggtgggtat cgatcntatc ncangaggta nnagtangaa gaccaaaagg actgctccta 60

agtccgatga tgtctaccta aagcttctcg tcaagcttta ccggtttttg gtgatgagat 120

ctaacagcaa cttcaatgct gtgattctga anangctttt catgaagcaa agtcaacaaa 180

gctcctcttt cactctctag gcttgtacag ttcatgactg gcaaggatga caagattgct 240

gtgttggttg gaactatcac tgatgatttg agagttcatg agattcctgc catgaangtt 300

actgccntga ngtttactga nagggctacg ggctacaatt gacaaagctg ngtgngagag 360

tgcttaacct ttgacnaacc ttgctctcaa anctccattg ngacagaaca cagttcctct 420

taaaagga 428

<210> 2496
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E1

<400> 2496

acgcgtccgt aaaatcaaga aaccatgtct gcgagtgttc taagtgatcc aacaatgcta 60

atttcaacac cggaggtaat actcgtctct ccggtatcgg ttactcaaat ctccggagat 120

gagccagatt cggtgacgtg tgattgttgc ggattaaccg aggagtgtac ccaatcgtac 180

atagagatgg tcagagagcg ttacatgggg aaatggatct gtggactttg ttctgaagct 240

gtgaagtatg aagtcatgag aacgaaaaga ttgttaacga cagaggaagc tatggccaag 300

acacatgaac atgtgtaata agttcaaatc ctcaaagccc ancaccgaat ccgacaggac 360

atttgatcct gccatgagac aagatcttga gaaaaagctt agattcacca agaatgctan 420

atttaagcct aataatccat ctaaaggacg aacaaaga 458

<210> 2497
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-E11

<400> 2497

acgcgtccgg taaaaagaag aatcgccatt gagattgtcc caaaacctcc aaaggaaaca 60

cacgtttgtc tttgctctga ggtatcttcg acgggacgtt gaagcgagca agatacgaca 120

cgaaatcgat ctccccccttg cgttttccat ctccgtcgtc tgctgaaacc atttgatcga 180

tctctcagat aaggttctca ggatttaggt tgcttctatg agaaggacac gttgcagttg 240

gtgcttcatg tctaggtaat gaaggcttta tgtgatagat ttgttcctca acaatgttct 300

tcatcaagca agagtgatac gcatgataaa tccccttttag tttcagattc tggacctagt 360

gataataagt ccaagtttac cttatggtca aacgtgttta cgtcttcttc ctcagtttct 420

caaccgtata nggagtct 438

<210> 2498
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-040-Q1-E1-B8

<400> 2498

attcttcttt cttcttcttc tcagatcctt tcaccgagta agaagatttt aangatgccg 60

tcancgccga cnacgccgac tacaacaacg ccgatcacgg cttcgtattg gtgttacagc 120

tgtacgcgtt tcgtcagcgt ttgggctgat caaggcacaa caaccgtcgg tagcgtcgcn 180

tgccctcact gcgacggcgg ttttatcnaa cagatnaacg attcttcctc cgccgctacn 240

gaattnacga ttccggnttc nactgaagta acatcgatca ataacaaccg tagatccgtg 300

attagacgcc ggagatccgg tcgtcgtccg tcctttannc cggtcatcgt acttcaagga 360

tgcgcnggcn agaganaana nggacaanaa gganatgcng gctagagatt gaancgcctt 420

tgggttttag tacgaagcc 439

<210> 2499
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-F3

<400> 2499

cgcctgcctt taccgggccn aaaattcccg gaancnaccc acgcctccgg tgggcgtaag 60

tattgccatg ggcttttggc gactttggag cttaagagta gacacgatct gatctcaagg 120

ctattcaact ctgtcntgcc ttgtanagat gagattagtt ttgaggtgta natgaatgat 180

gaagccatgg atcacattgt gtttgctatg gcgaggaaga angcggctaa aacgatgcac 240

aaggagctga gggatctgca cagatttgng agggatggtt cccaagtcct ggcgggagga 300

agtgggtaac ggaggantta nctgtggtct ctgagtctaa ggaggtagct ggagatatga 360

tcaccgatgt tgtactttga tcaangtttt tggtgacaag tcttttgaaa agtttgggaa 420

gtatttcatc ctcaaatgcn tttctccggg atcanacatc ctgggcaaaa cac 473

<210> 2500
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-038-Q1-E1-G10

<400> 2500

ggaagtcaat gatttctcat cattcaataa caacagacgt ggtattgcag aggctgttag 60

ccactcgact tctaagttta gttcatcaat ctcaattctg gattcaaatc atctagcttc 120

tcgttcgttc cagaaccggg aaacttcttg tgggatggat tcaaaaactg gatcctcctt 180

tgaaataggt agtgatagat tgcatcttcc aaatggattt tctgagaaag ctatgtccaa 240

tatggagcat tcattatttg ctaatgaagg cagaagcaac attcaagaat acagaggatg 300

atatcatttc aaacatttta gactttgatc cctgggatga atcgttgact tcgcaacaca 360

attttgcaaa attacttggt cagagtgatc atagggccag tactctggga atc 413

<210> 2501
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-G12

<400> 2501

gaaacgcggg aaaatgaatc aagtttcntc cntaaagcta tcaattttct atgggaatct 60

gatcaaatag gttatcgtca tgtttggcct gaatttgagt ttaattggca aattgtattg 120

ggaacacttg ttggattctt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnngattttc gtacctatgc ttagtttgat tattgggttt gatcctaaat cagctacagc 240

tatttcaaaa tgtatgatta tgggtgcttc tgtgtccact gtgtattaca atcttaggat 300

tgaggcatcc ancacttgac atgcctanca ttgattatga tctcgcttta cngatccagc 360

ctatgcttan gcttgggatt aagtattggg tgtng 395

<210> 2502
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-G9

<400> 2502

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agactgtgga ggagagatca ggctccggaa gatggcggcg gccgagagat ttaaagggtg 120

gcggcgatat cgaagggatt ccacaggttt tgggtcgttt ggtttcgaat ggttcaagta 180

agattgcatg tctttacaca cagcaaggca agaaagggac taaccaagac gccatgctcg 240

tctttgagaa cttttgttcg agagacgata cagtgttttg tggtgtattc gatggacatg 300

gaccatttgg tcatatggtt gccaagaaag tccgagatac attgcccttc acactcttaa 360

cccagttgaa aatgacctca gagtcagatn aaagcagctt antttggtgc caat 414

<210> 2503
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-038-Q1-E1-H11

<400> 2503

tcctcatctt caaaacattg tactagtctc aatctccaac tgttttaaat gggaatttcg 60

aaaaaatctc aagttagcag agaattagac accgatggaa aaaagtttat cttcgccaaa 120

acatcgattc gggcttcact aaagccggtg aagacgaaac tcattaagcc tgagagagaa 180

tcagaagatg gaatttgtat cactcccacg gcgagaggag caaagactcc ggagtgtccg 240

gcggctccaa ggaaacgccc accggtgttg aaatgtcaga acaatattcg tatagagtac 300

tttgtgcctc cttcagattt cgagttggtg tttatacaac gccgttaatg taaaaagata 360

taaaaagagt ttctgagttt ggtttttaca aaaaaaaaaa aaaagggcgg gc 412

<210> 2504
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-H7

<400> 2504

gagcagaagg agaaactgaa gggttcttat gattttgtcg gtatcaatta cttcacttct 60

acatttgttg ctcatacgga caatgttaat ccagagaaac cgagttggga agctgattct 120

cgcttgcagt tacattcgaa taacgttgat gggttcaaga ttggttctca gcctgctact 180

gcgaagtatc ctgtttgcgc tgacgggtta agaaaagttt tgaaatacat caaagagaac 240

tacaatgacc cagaaatcat agtcactgga aacgggtaca aggagacact tgaagagaaa 300

gatgtacttc cagatgccct cagcgatagt aacaggaagt attatcatat gagacatctc 360

atggcattac atggancagt ctgcgaggac aaggttnatg 400

<210> 2505
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-A3

<400> 2505

aactgttacg cctggtcgta cggctccana aattccaagg tcnacccacg cgtccgcnca 60

cgcgtccgaa tctgaataca ctcattgcaa accttnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnncttcca tagattccgt tgggctttta ctgtgtttga ttgatcggat cgattgcgat 180

tacggagaan atatggctca ggctgtagaa gaatggtata aacagatgcc gattatcact 240

cgctcttatc tcacggcggc tgttatcacc accgtcggat gttccctcga tatcatatct 300

ccatataacc tttatttgaa tccgacactt gtggtgaagc aataccaata ttggcgtctc 360

gttactaatt tcttgtattt ccggaagatg gatttggact tcatgttcca tatgttcttt 420

ctcgcacgat actgcaaact ccttgaagaa aactcattca ggggaaagac tgctgaattc 480

ctaaacatgn ccccaattgg 500

<210> 2506
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-A6

<400> 2506

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tcatggaggc aaagacaaga catcctcttc accagatcgc agatacacca acacacaagc 120

ttctcctgaa acaatggtta aaagaagaag agctaattct aagccgtgtc nctcacaaag 180

aatctcagat cgattctgtt cgaatgagaa atcactcagc tctacatcnt cntcnttctc 240

ttccactcca tttcnctgct acttctcttc cacgcttctt catcctcatc ttcctctgct 300

tcttccagtg cttgtaaaag atcatggatc ccttcactct gccgctctgc tatctnnctt 360

ggggatcagt tggggcggta cgggacaaat ccgatgtgga acgcaanctt 410

<210> 2507
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-B1

<400> 2507

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ggaaatggag ttgcggatcc gaagtttgat ggaaatgctt ttgtcccgtt tgcacatggg 120

atgggactaa tctctgatga actctttgag aacgttacaa aagcttgcaa gggaaatttc 180

tatgaaatag agggactcga gtgcgaggaa cagtatacga aagttaacga tgatactaac 240

caagttgaat atatacaaca ttcttgagcc atgttaccac ggaacatcgc tatctgcatt 300

cgacattaga tcgcttcctt caagtctcct tcagctaggc aaaactgaaa aacggttacc 360

tataagaaaa agaatgtttg gtcgancgtg gcaattcgtg cgcctgttca nccaagcant 420

gtccctaacc tggtccaact tcntgccgaa gt 452

<210> 2508
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-B5

<400> 2508

ccangcgtcc ggctccttca agcgtcgtta gggtttactc taccgctacc tctccttctc 60

cttctgaaat ttccgtcaag aaagttggta ctcataatgg aagctttcac tgcgacgaag 120

ctctcggctg tttcatgatt cgcctcgtcg ataaattctc cggcgctgat atcgtccgtt 180

ctcgtgaccc taagatattg gcagaacttg atgcagtgct tgatgttgga ggtgtttatg 240

atccggagca tgaccgttat gatcatcacc agaaaggttt tgaagaggtt tttggacatg 300

gcttcaacac taaagctcag tagtgctggt cctgttacaa gcattttgga aaggagatca 360

tagctaagga acttaatgtc gaacaagatn accctgatgt tctccgggtt gtttttaacc 420

ggctacaana acctcaaggg aggcaaattg a 451

<210> 2509
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-B6

<400> 2509

acgcgtccgg tttattgatt cttatttcaa gagaaatata ccctgagaca ttctacagat 60

cgcttgtcgc aacagaaaac agcaaggtta ataaaatatg ggaaaaattg gaaggttaca 120

agaagaagct tgcgcgagca gaagcaatat tagcagcaac taataaccgt cccacgaaca 180

aaaccggctt ctgtgggcta gtcggtaaac aagtagacag cattgagtat tacactgagc 240

taatcaacga gtctgtagcc aaactggaaa cagagcagaa agcggttctt gctgagaagc 300

agcaaaccgc agcagtggtt ttcttcacaa ccagggttgc tgctgcatca gcaagctcaa 360

tctctgcact gccagatggt tgataaatgg actgtgaccg aagctcctga ancaacggga 420

antcccaatg gaagatccca acnatcaagc cct 453

<210> 2510
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-B9

<400> 2510

ctgtttacgc ctgcntgtac cggcccaaaa ttcccggagt cnacccacgc gtccgagaga 60

aagtgagaca aggttaagga ggaagaagat gactgagaat cgggtggttt tggctctgct 120

tatactctgc attgttgggt ttgagccaag tttcatccat ggagctacgg attcatcaga 180

tacttcggcg ttaaacatca tgttcagctc catgaattct ccaggacagc tctcacaatg 240

gacagcatca ggaggtgatc cttgtggcca aaactggaaa ggcataactt gctctggctc 300

tcgagttaca caaataaagt taccaagtct tggactttct ggatcacttg gattcatgct 360

tgataaattg acttctgtta ctgagtttga tatgagcaac aataaccttg gaggcgattt 420

gccttatcag cttcctccaa actttggagc cgattgaatc ctgctaaaaa 470

<210> 2511
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-039-Q1-E1-C1

<400> 2511

ggaactgtta cgcctgctcg taccgcccca naaattcccg angtccaccc acgcgtccgg 60

aggaaagctg gagtactagt tgggactgga atgggaggtt taactgtgtt ttcagaaggt 120

gttcagaatt tgattgagaa gggtcatagg aggattagtc catttttat accttatgct 180

ataacaaata tgggttctgc tttgttggcg attgatcttg gtcttatggg tcctaactat 240

tcnatttcaa ctgcttgtgc tacttcnaat tactgctttt acgctgctgc gaatcacatt 300

cgtcgtggtg aanctgatat gatgattgct ggtgggactg angctgctat tattcctatt 360

gggttgggag gttttgttgc ntgtagggca ttgtcccaga gaaatgatga ccctcaaact 420

gcttccangc cgttggataa agcangaaat gngtttgtta atgggttaaa gaactggggg 480

ttctggtgaa tgggaancct g 501

<210> 2512
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-039-Q1-E1-C10

<400> 2512

acgcgtccgc ccacgcgtcc gcccacgcgt ccgtcaaaac ccatatctct ctgtcttgat 60

ctctctctca ctttctaata agatcaaaga agatgtcgaa agctaccata gaactcgatt 120

tcctcggact tgagaagaaa caaaccaaca acgctcctaa gcctaagttc cagaaatttc 180

tcgatcgccg tcgtagtttc cgagatattc aaggtgcgat ttcgaaaatc gatccggaga 240

ttatcaaatc gctgttagct tccactggaa acaattccga ttcatcggct aaatctcgtt 300

cggttccgtc tactccgagg gaagatcagc ctcaagatcc cgatttctcc ggtccacgcg 360

tctctcgcca ggtctaagta ccgaactcgt ttcgggaact gttcctaaga cgat 414

<210> 2513
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-F12

<400> 2513

aattcaactt ctagtcttct cctccaacta ctggcaaatt agggtttctg agttcgagaa 60

aattcgtagc agagtgtgaa aatggaagga agcaaaagcg aggcagtgtt cgattccatg 120

aatctaaatc ctcagatttt catcaacgaa gcaatcaact ccgtcgaaga ttatgtcgac 180

caagcttttg acttctatgc ccgtgatgca tccaaatctc tcaaaatcaa aggatctgat 240

aaacaaaagt cacaagcttt atcaaatggt attgctcgtg ttcgtggttt gctactatct 300

gtaatcgaca atcgtttgaa attgtgggaa agctattctc ttcgattctg tttcgcagtt 360

cctgatggat ttgtgttacc aaagagtgag gagtcttcgn ctgtgg 406

<210> 2514
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-C2

<400> 2514

acgcgtccgg cccagagttg acataattgc atccacataa tatttttttc tccgatcatc 60

ggaaaaagca gtaatcaaga tgcagaagct caacgacatc ttctccggtg gaggagacgg 120

cgacggaaca accgatagtt tccttgaaga tggatcggag ggtctctgtg ctctctccac 180

cacccagaga atgtacggat tcgccgcgtc tttagccact ggnctgctac ttatgttcct 240

gtcnatgatt gtatttggga tccccatcaa atttgcactg ctcttcacat ttggaaatgt 300

tctagctatt ggaaagcaca ngctttcctc acggggacct gagcaacaga tgactatgat 360

gtttgaccct gttcgtttct tagctanatc catttatntc ggatgtgtcn ttgttgcnnt 420

canntgcgct cncngattca gagcaaaatn cgtacg 456

<210> 2515
<211> 439

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-C4

<400> 2515

acgcgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnagttatt tcgctttagc agattactta aatccacggt ttcttcttct ccgggagcat 120

ttatggcgtc agcggtgacg gcgtcaggca aggtggagaa aggacatcag ctatatagag 180

acggcaagta taaggaggcg cttctcttct atacggaggc tcttactgct gctaaagcta 240

aaccacagaa gatcgctctt cacagcaacc gcgccgcttg ttacttgaaa ttgcacgatt 300

tcattaaggc agcagaagaa tgcacttgtg ttcttgagct tgatcagaaa catagcggag 360

cgttgatgct gagggctcag actttagtca ctcttanaga ataccaatct gctcttttg 420

atgtcaccan gcttaagga 439

<210> 2516
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-C5

<400> 2516

ctactgcctt tttaccacag agaagagaga ggatccgtcg gtgtgctagt cncactgaca 60

ctacatccga tcgtcgccgg tgacatttta taagtgtgga gtttacttca gctttattat 120

tcaggaattg atggatcagt acgangaaag ttgagaagat tggtgaagga acttacggtg 180

tggtttataa cgcacgtgac anngtgacta atgagacaat tgctttgaag angatcaggc 240

nagagcagga ggatgaaggt gttccnagca canncatcag gaganatcct cccncttgaa 300

agaaaatgca cgcacagcan cattgtcaaa ttgcaggatg tggtngcaca ccgaggaaac 360

gtttggaanc tgggttttga gtanccttga cntggatctc aaaanggcac atgg 414

<210> 2517
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-C6

<400> 2517

cggnaccggt ccaaaaattc ccgggtcgac ccacgcgtcc gctcaataca agaatatcta 60

caatctctag aaaatggcga tcacttactt gcttcctctg tttctttctc ttatcatcac 120

ctcctctgtt tcagctaatt tccaaagaga cgttgagatc acttggggtg atggtcgtgg 180

acagatcaag aacaatggag agcttctcac tttatctcta gataaatcct ctggttctgg 240

attccaatcc aaaaacgagt acttgtttgg taaagtctcc atgcaaatga agcttgtccc 300

tggaaactcc gcaggaacag tcacaacact ttacttgaaa tcacctggaa caacatggga 360

cgagatagat ttcgagtttt tagggaattc aantgggaga accttacaca cttcacacaa 420

atgtctacac acaaggcaaa gggagacana gaacaacnnt tcanactccg ggttgattcc 480

aac 483

<210> 2518
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-038-Q1-E1-C8

<400> 2518

gccttacgcc tgccggaacc ggtccagaat tcccgggtcg acccacgcgt ccgcccacgc 60

gtccgctgta acattaccaa aacgaaacct tccttgtgga ttcccacttc tttcttctgt 120

tttcttcttc ctcttcttta aattggatgt tttgggcaag aaacagagag aaacacgtta 180

atttgagagt ttgtcattga atatttggtt tgcaatggaa agagattttc tgggtttgag 240

cgacaagcag tatctaagta ataacgttaa gcatgaggtt aacgatgatg ctgtcgaaga 300

acgagggtta agtacgaagg cagctagaga atgggggaag tcaaaggttt ttgctacttc 360

aagtttcatg ccttcttcag atttccagga ggctaaggcg tttccgggtg cataccagtg 420

gggatcagtt tctgcggcca atgttttccg cagatgccaa tttggtggtg cgtttcaaaa 480

cgcgacgccg c 491

<210> 2519

<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-D10

<400> 2519

gaggccccag caattatatn aangatttcc gcccgccttc ctcgtggcct gcaacgggaa 60

caattgagct agttgatgtt aaggttcgtt aagctgagaa tcttccaaca gtactccatg 120

gggtgagctg tgtgtttccg ggtggnaaaa agattgggat tgttgggcga acgggaagcg 180

gaaagtcgac tttgattcaa gctttgtttc gattgattga tccaactgct ggaaaaatta 240

ctattgacaa catttgacat ttctcaaatt ggtcttcatg atcttcgtag tcgccttggc 300

gattatacct caagatccta cattatttgn aggaacaanc cgagcaaatc ttgacccacg 360

tgaagnncat tcatatgatc aaaatcnggg agngcgcttg ataagatccc cacgctt 417

<210> 2520
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-D2

<400> 2520

acgcgtccga attcaccaat tttagaattc ccattctcat tttctctctc tttctatttc 60

tccaaatttg cctaaagatt ttacatttta tcttcaatcc ttccttgatt tacgtttgaa 120

atatttcgac ccaaaactat actgatggag agaacaaaca gcattgagat ggatcgagag 180

agattaacgg cggagatggc gtttcgagat tcatcatcgg ccgttataag aattcgaaga 240

cgtttgccgg atttattaac gtccgttaag ctcaaatacg tgaagcttgg acttcacaac 300

tcttgcaacg tgaccaccat tctcttcttc ttaattattc ttcctttaac cggaaccgtg 360

ctggttcagc taaccggtct aacgttcgat acgttctctg agctttggtc taaccaggcg 420

gttcaactcg acacgggnga cgagacttaa ctg 453

<210> 2521
<211> 455
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-D6

<400> 2521

acgcgtccga aaatcttctc tctaatctct ccactctttc ataaatattt tcctaattct 60

tctaccttgg tgtctgattc tagcaccaaa ccattttctc ctaccaaaat ctgggtttcg 120

atcaatttta ggtcttttga ttcctacttg tctaatcgta atccaatttc tgggtcaact 180

ttcgatcaaa atcaactggg cttgaatcaa ttttaggttt ttcgattcct acttgtctaa 240

tcagttgaat caaagttcgt ctcttttaag cttgcanttt caaagatgac agttgttgga 300

gatgttgctc canntcgaag gaggaacagt tcctacgtgc tctaatgata tcgnctgctc 360

cggnannacc aagaggtgtc atggacgann aagttgctca tgangaattc aatggagctt 420

ccttttagtg gcgcggtttt taagcntcgc caagg 455

<210> 2522
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-D7

<400> 2522

acgcgtccga acagaaaagg cagatgttta cagcttcggt gtggtggcaa tggagattgt 60

tagcggaaag agcaacgcga aatacacgcc agatgacgaa tgttgtgttg gccttctcga 120

ttggttttca atttcaggca tttgtgttgc aaaagaaagg ggatatcgcg gaaattctgg 180

atccgaggct ggaaggaatg ttcgatgtga tggaggcaga gagaatgata aaggtttcac 240

ttttatgcgc caacaagtct tcgacattac ggccaaacat gtcgcaagtt gtgaagatgc 300

ttgaagggga gactgagata gaacagatca tatcagaccc tggagtgtat agtgataact 360

tgcacttcaa gccatcgtct ttgtcgtctg attatatctt gtcnattcct tcatcatctg 420

aatctgctta ngatctgtac caccca 446

<210> 2523
<211> 409
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-E12

<400> 2523

aaggatacct caatttcatg ggaaacgaat ttggacaccc agaatggatc gacttcccaa 60

ggaccgacca gcaccttcct gatggcagag tcatcgctgg gaataatggt agttatgata 120

aatgccgacg taggtttgat ctgggagatg cagaatatct tagataccat ggactacaag 180

agtttgatcg agcaatgcaa aatctagagg agacgtatgg tttcatgact tcagagcacc 240

angtacatat cccgcaagga tgaaggagac agagtcattg tattcgagag aggtaacttg 300

ctcttcgtct tcaacttcca ctggaccaac agttactctg acnaccgtat cggttgctct 360

gttcccggaa agtacaaaat cnntttggac tccgataact cttanttgg 409

<210> 2524
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-E2

<400> 2524

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ggttagagga gcaagtggag gagagacttc gaaacaagta aagttgaagc ctttacattg 120

ggataaagta aaccctgatt ccgatcattc aatggtttgg gacaaaatcg atcgtggatc 180

attcagtttc gatggcgatt taatggaagc tctgtttgga tacgttgccg tggggaagaa 240

atcaccagaa caaggcgatg agaaaaaccc taaatcaacg caaatattca tacttgatcc 300

gagaaagtct caaaacacag cgattgtgct caaatcatta ggtatgacac gtgaagagct 360

tgttgaatca ctcatagaag gaaacgattt cgtgccagac actcttgaga ggttagctag 420

aatagctcca acgaaagaag aacnatcc 448

<210> 2525
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-E6

<400> 2525

ggnagtgttt accctgccgg taccggtcca aaattcccgg gtcgacccac gcgtccgccc 60

acgcgtccgg attcntcttc tctaccatat tcgttgaaac caganaagat ggtgggtgtg 120

tcgccgaaga tcgctccgtc gatgttgtca tcggactttg caaatcttgc cgcggaggct 180

aagcggatga tcgatttggg cgccaattgg nttcanatgg acattatgga cgggcatttt 240

gtttctaacc taacgattgg tgctcctgtc atcgaagagt ttgagganca cacaagatca 300

taaccttgat ggcaactnan tggtggacga aacccaatgg gaataangtg gattaagaat 360

gggctaaaag ctgggagcct nctggtttca acattccaac gttggagggt ggcccaaaga 420

nnaattggca agaacttgtg gagaaggatt aaaggtgctg gggaatgaag gcaaagtngt 480

gggtcntaaa ggctggaaan acctgttgna caagtccaaa 520

<210> 2526
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-E7

<400> 2526

nagtgttacg cctgccggta ccggtccaaa attcccgggt cgacccacgc gtccggcaag 60

acgcttcact caagcagcag taactaaact tgcctccaaa aaccaatccc agatctgaat 120

ctcaacctaa acctcagatt catcatcatg gcttcttctt ctaactacga tggaatcctt 180

ctcggtatgg gtaacccact cctcgatatc tctgccgtcg tcgacgacga atttctcacc 240

aaatacgaca tcaagttgaa caatgcgatt ctcgcggaag acaaacattt gcccatgtat 300

gatgagatga gtagcaagtt caatgttgaa tacattgccg gaggtgctac tcagaactca 360

atcaaagtgg ctcagtggat gcttcaaatt cctggggcaa ccagttacat gggatccatt 420

ggaaaggaca aatatggaga ggccatgaag aaggatgcta cagcagctgg tgttaatgtt 480

cacnattat 489

<210> 2527

<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-E8

<400> 2527

ggggtaacac agacccttt tccctcttac tcaaggttct tctttgtcat cttgttgccg 60

aatccacaaa gaggagaata aagattcgac ctttattaga tattaacgac tctggatttt 120

tgggtttttg gagttggatc cacatgggtt cttatccgga tggattccct gnatccatgg 180

acgagttgga tttcaataan gactttgatt tgcctccctc ctcaaaccaa accttaggtt 240

tatgctaatg ggttctattt agatgactta natttctcat ccttggatcc tccagaggca 300

tatccctcnc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagctgtngc agganatctg 360

tnatcatctt catctgatga cgctggattt ctctgattcc tgttttgna 409

<210> 2528
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-B7

<400> 2528

aggcatccca atggaagagt attctccggt aatggactac ggatgctgca ttcaagcttg 60

gtgagcctgg tacttgtctg ttgtttcctt aggcatccca atggaagagt attctccggt 120

aatggactac ggaagacatc atcatcctcc tgcaacatct gcagctctca tggagctaac 180

cactcgtctg gatttcttca aggaacgacg gtcacaactt atggaacaga ttcagaatct 240

tgacctcaac tatggttcct cttcttcttc tctgcaccga tcctcttctc caccatggga 300

attaggctct ttgagaaagc tcttgtccaa aaaaatagaa aaatgtaaaa gaaagtctcg 360

tctgtgcaga ctcttcatgc ttgtaaaacc ggttcaaggt taaaccaact atatatttac 420

cacgaaaatt gatggngaaa 440

<210> 2529
<211> 493
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-G3

<400> 2529

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tncnctttcc cttcnantat tatcttannng tgagaaatca ntancgatgt tgganaaaga 120

gtttttcacg gagtatggtg aagcaagtca atatcagatc caagaagttg ttggcaaagg 180

aagctacgga gttgttgctt ctgcggaatg tccacacacg ggaggcaaag tagccatcaa 240

gaagatggac aaatgtgttt gaacatgtct cagatgctat tcgtatcctc agagagatca 300

agcttctcag gcttcttcga catcctgata tcgtggagat caagcatatc atgcntcctc 360

cttgtcgcaa ngaattcana gatatanatg ttgtttttga gttgatggag tctgatcttc 420

accannttct taaggtaaat gacgacctca ctccncagca tcatcaagtc nnccttgtac 480

caacttcctc ggg 493

<210> 2530
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-G4

<400> 2530

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anagagacng nnagtgagga gaagaganaa agnatttcga gacaaatggg ccgccgccgc 120

tgctcgtcct ctccgtcanc atccanacct tgggatggtg acatgtctac cgatnaatcc 180

tccaancgtc gtanttctcg acgtcatgac ggcgccagtt cgaccagaca tcgttaactt 240

cgttcacgcc caaatctcca acaacaagnc gtcagccata cgccgtatcg aagaangccg 300

gtcaccanac ctccgccgag tcctggggga accggacgtg ccgttgtctc gtatncctcg 360

tgttcccggt ggtggtactc accgtgctgg tcaagctgcg ttcggtaaca tgtgtcgtgg 420

tggtccgnat gttcnctcca accaanattc tgggcgccgc tgggnacngt cgtgtcaatg 480

tcaacaatga aagcgtcang ca 502

<210> 2531
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-G5

<400> 2531

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gaacaatctg tctgactatg aacagacggc ggagactcca aagatcgacg gcgaagatag 120

agatgaacaa gatatgaaca aaaccccggc cggttacgcc tcggcggatg aagctcttcc 180

catgtcttct tctaacggca aaatcgagag gaaacgagga gttccatgga ctgaagaaga 240

acacaagctg ttcttgcttg ggctgcagag agtcggtaaa ggagattgga aaggaatatc 300

aagaaacttt gtcaagacca agaacctcta cacaagttgc nantcatgct cagaaatact 360

tcctcaggcg aagtnatctt aaccgtcgcc ggccgaaaga tctagccttt ttgacatgac 420

tactgatacg ggtcataccc aatng 445

<210> 2532
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-G6

<400> 2532

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cttattcgat tttcttcaga tttgaaatgg tgtcgttcaa ggtctctctc gtctctactt 120

cgcctattga tggccagaaa cctgggactt ctggactccg taagaaggtg aaagtgttta 180

agcaaccaaa ttaccttgaa aattttgtcc aggcaacgtt caatgctctt actacagaga 240

aagttaaagg tgcgacactt gtggtttctg gtgatggtcc gttattattc agagcaagct 300

attcagatta tagtaaagat ggcagcagct aatggtgtta gacgtgtgtg ggttggtcaa 360

aacagtctgc tatcaactcc tgcagtatca cctattattc gtgaaagagt acgggctgat 420

ggatctanan gccacaggag catttanctt aanagcaggt cataatcctg ngtggcccaa 480

antgaggatt tccgga 496

<210> 2533
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-G9

<400> 2533

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ctaaccactt ctgaatccta accaacaagc ttctccattt cgtttttcgc gtctcgattc 120

caaattccac ttaagacggc ggattttctc accgggaaat tggttttaga tggataggac 180

tgaggaaatc gaagaatccc ccgccggacc ttcttccgga tccgcgaaat tgaagctcgg 240

aaacagagca gatcctttcc ttgttgtttg tagatgcttc aagcctcgtt acctctctca 300

tcgccattct ctgtgttgtc cgttaacgtt ctcgctgccg ttcgctcctt ccgtgacagc 360

cacgatctct tcgatggaat attccggtgt tatgctgtgg gggattgnct ggttttggtg 420

gtcc 424

<210> 2534
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-H10

<400> 2534

accctgccag gtattggtcc ggccattcnc gggtcaaccc acgcgtccgc ggacgcgtgg 60

gctaatacga agaagcatgt ctcagcgaag ggtaaagaag cttcgttaga agttcactct 120

tctagtccag gcaaatcaaa ctcgtcatct tctggttccg aggcgaagaa accaattact 180

gaaacgccgg cgacttctga cgtgaaggag gaatcgccgg cgtcggtttc gcctatcatg 240

gcttcatctt tgggtttgaa tagaatcaag acgaggtctg gcccgttgcc gcaggaaagt 300

tttttcagtt ttgagaatga ttatgcaatt ccggtcttac cgtgttacaa gttgtcgaag 360

ttggatactg gcaagaagga agctggaagc agcaaggtag atattgggac cgctaagaag 420

cagcaatccc gcgttgctgg gcttcgggaa ctgggtcnaa tcaaggtatc acct 474

<210> 2535
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-H2

<400> 2535

accctgccng ttaggtcgca aattcccggg tnaacccacg cgtccgtaag aacattgaag 60

cttgcaagga gctctccacc attactcgca cctctctcgg tcccaatgga atgaataaaa 120

tggttatcaa tcatttggac aaactgtttg tcacaaatga cgctgctact atagtgaatg 180

agctcgagat tcagcacccg gctgctaaac ttctggtttt agctgctaag gctcagcaag 240

aagaaatcgg agatggagct aatctgacaa tctcctttgc tggtgaactt cttcaaaacg 300

ctgaggagct tatcaggatg ggacttcatc cgagtgagat cattagtgga tatactaaag 360

ctgtcagcaa ggctgttgaa natactggaa caactggntg agactggttc tgagaccatg 420

gatgtacngn acangggatg aagttatttc tccggatgac agcagctgtt gcaaggcagg 480

cantttgggc aag 493

<210> 2536
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-H5

<400> 2536

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caagatctaa gtcagaagat tagtcaatcg gatgaagcat cttcaaacca tcaggaaacg 120

ggtctggtga agctctacag tgttggtgaa agttgcaacg agaacattcc ggaatgtagt 180

tcatttttcc ttccaaaagc tgccattgga tttatcacaa accttgcatc aagccttttt 240

ggttatcagg gttccacttc ggttataagt tcacattcac gttgcaatga ttctgaagat 300

caaagtgact ctgaggtcct tgttcaagaa acangcagaa tcatatgaca actctgaaac 360

aaattcaggt gaagtgggat atgaccacca ngatggtcan catacctata gaaggaaaag 420

gaattaacaa gacactggnt tcaactc 447

<210> 2537
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-A11

<400> 2537

acgcgtccgc tttggttttt cttcactgac aaaaccccta aaaatggccg actcattcga 60

gctaattgta acccgaaaag aacctgttct cgtctctcca gcctccgaaa ctccaaaagg 120

tctccattat ctctcaaatc tcgatcaaaa catcgccatc attgtcaaaa cattctacta 180

cttcaaatca aactcaagat ccaacgaaga atcctatgaa gtcatcaaga agtcactctc 240

cgaggttctc gttcactact atcctgccgc agggagactc acgatcagtc ctgaaggaaa 300

gatcgctgtg gattgcaccg gagaaggagt tgtaagtggt ggaagctgag gccaattgtg 360

ggatagagaa gatanagaan gntatntcgg gagattgatc aggggagagg ctcggtgaaa 420

aggtgggttt gg 432

<210> 2538
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-A12

<400> 2538

tcccacgctc tctcctcttc ctcggatctt ccatcttctc tctaacagca aatgactcag 60

tcgtaacctt ctacactttc tctctctcca atttttcaca ttttatttt ggcttccgag 120

ctatgacccc agtgcgtctg cttcgtctcg accgctgatc ggaataaaac cancgccgag 180

tttcctaggt ctatgtgtat tgtaatatcc tccggaaatg gcagctttcc tcgtcatgtt 240

tatcttcacg atngctctgt tcngtcgcac tccnttgggt tttcttcaag tctctcccct 300

gggattctcn ggcatagtgn tggaataant ctcagttttc agtttgntgg atggaactg 359

<210> 2539
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-A8

<400> 2539

tacgcctgcc cggnaaccgg tccanaaatt cccgggtcga cccacgcgtc cggttttttc 60

ttgcattttc cccagaattc cttcacattc tctccttttc ctcttttaa ttcctcacca 120

cctcaaattc ttcataaaca aatccacttc tgcatggttg ggagaatctg ttagagaatt 180

tttgttgttg ttgggttcag atttggaaaa tttccttttt ttcgagtttc ttctgaatta 240

ttcatcgtgg agattctcgg atcgggaagg gctgcgagag gtggttttca cggcggggat 300

agattcatct tctgtcttct cctgaggggg tagccgaggc tccggcctcg gcggttttta 360

aacccctacc tttacaaatt ctgggaaatt agaaaaaaaa aggtttgatt tttcagtttt 420

tgctctgttc ttctctcgaa agtttttgtt ttgttcgaga atttctggta aagtganatt 480

gttgatcg 488

<210> 2540
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-B4

<400> 2540

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tcgtttttca ggagtttctt tctatatttc ttcatcgatt tcgttcagtc tttgagagag 120

gttcgtcgac gtattatcgt cggaaaaaag ctatgagaat ctatttctca tagctccagt 180

aatgtgaaat cgagacaacg ctttatcttc agaatctgct aatccatggg agattcaatc 240

acattccggt agatttttt ccagtttctg gggaagtcaa aaatttccag ggtttccgat 300

ttttgttttc cttttccaaa tgttctcgaa tcagtttgtt ctcttcttcn ctcttctcct 360

atgtctccca tttgttttct tctttgtagc gccacatgtg tttccttctc ctcctgggtg 420

aatctttaat cccaatctcc gatgagattg atgaccggga gtttattcat cgncgctgcc 480

tg 482

<210> 2541
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-038-Q1-E1-B6

<400> 2541

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gtatgggcaa cttctaagca cgacgtgtat cttatgtcaa attttctggt tacacattat 120

tcttcnctan cgtcnggaaa gcatgaagtt ctcantgtcc gtggtcatgt tgcgccatct 180

gatgaaacat cctggaagtt nacttgangg atttacgcag actcaagtaa gtacacttgc 240

agtaaaagat gactttctgg ttgctggcgg gtttcaagga gaacttattt gcaagcatct 300

tgatagaccg ggtgtcagct tttgctctcg tatgacttat gatgataatg ctataaccaa 360

tgctattgag atctacaaca nacccagtgg tgcacttcat tttactgcgt caaataatga 420

ctgtggagtt agagactttg acatgggaga agataccagc ttgttaagca tttccgtttt 480

ccttgggcag tg 492

<210> 2542
<211> 573
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-037-Q1-E1-G2

<400> 2542

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gagcttccaa tcctcctcaa atcttccttc nnacganttt ttcctcctaa ggtttaagag 120

cttttgattc ccccgattaa atttccgccg aatttgttgn ancnanggat ctngaaanta 180

ngaatgggtg gtgaaagcaa gattcgangg cagccggctg actggctgaa aggcgtancc 240

tggttgcccg tngaacggtc angattgctc caantggcaa cgaaatttaa gtgtgaacga 300

cgaacctcng attccacggt gggangtcct tcaaangagt taattgcgnc agaaacaacg 360

atgtgccngg caaatcagcn agcgtttgat tacaaaggga cgtaatcctc aaaagacgaa 420

tnagactcct cctcaagcct aagggtttgc aagggctgat taacaccgtt caatatgggt 480

ccgaggtttt tgtngccttc cttcgccntt ctgctncccg cctggcaaaa tgctgggaaa 540

accaaaacca antggcgccc tcaaagcggg ttg 573

<210> 2543
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-E7

<400> 2543

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cttcttatct tgtttggatt tttcatttct tctgtttgat tttattccac aaacacaata 120

aaaaagtttg catttttcc tcttctaagc tcgtttcaga tcttcgattt caccattttt 180

ataaactatt atgcgaactt agttttgttc tttgtgattt tgtatgacaa tgatcttctt 240

ctctaagctt aatcgctcca tttctcgttc aaagggattt ttgtacggtg gtggtgttag 300

atcggcggca aggctactta cttcgccggg acttgaggcg gcgtctgtga atgaagtgga 360

aggtggatta ggggtttata angaagacac tttgcctcct taacttcacg gaaaggttta 420

agcaataaag gattggatgg gg 442

<210> 2544
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-035-Q1-E1-E9

<400> 2544

acgcgtccgc ccacgcgtcc ggggaaagag acaactccaa ttcaaagctc tgatttttc 60

caccaatccc catttttcc cttttacaat tcttaagcta gttttatact tttcttcttc 120

ctttcatttg ggttaagaga agccatggat accgagtttc tccgaaccct agatcgtcag 180

attcttttgg gtgtcttcgt tgctttcgtc gccgttggtg ctggtgctgc ttattttctt 240

acatcctcca agaaacgcag agtgtgtttg gatccaagag aatttcaagg agttcaagct 300

tgttaagaga catcaagctt agtcacaatg tggccaagtt cgtttttgaa ctcccaactt 360

ctacttctgt gttgggtctt cccattggac aacacatcag ttgcaagggg aaaggatggg 420

<210> 2545
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F11

<400> 2545

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gcttctcact caaaccactt cgctccttcg catcnatgtc ttcttcntcc cccgacgctg 120

ctcagactcc tctaaccacc gctccttatg gctcctggaa atctccaatc accgccgaca 180

tcgtttccgg agcttcaaag cgtcttggcg gcaccgccgt cgattctcat ggccgtctcg 240

tcttgctcga gtcncgccct aacgaatccg ggagaggagt tttggtgcta caaggagaaa 300

natcaattga tattactcca aaagacttcg ctgtgagaac tttaacacaa ggaatacggt 360

ggtgggtgct ttccagattt catcaagatg atacacttgt gttctctant tacaagggat 420

tag 423

<210> 2546
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F2

<400> 2546

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ttgcatcngt tgcatacaac agccttttcc ttggagagtt catgcaacct gactgggata 120

tgttccatan tctacaccca actgcagagt accatgctgc agcgcgtgca gtgggtggat 180

gcgcaatcta tgtcagtgat aagccaggca accacaactt tgatctattg aggaagctgg 240

ttcttcctga tggctcagtt cttcgggcta agctcccggg tangcctacc cgtgactgct 300

tattcgctga tccagctaga agatggaatc agcttgctca agatctggga acatgaataa 360

gtttactggg tattgttggc ggtantcaan tgtcaaggtg ctggttggtg caangaaacn 420

ataataacaa gattcatgat acnt 444

<210> 2547
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F3

<400> 2547

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gtatgagcaa ngaaancaca gcacttgcac caagcagcat gaanattaag gtcgttgcac 180

cacctgaaag gaagtacagt gtctggatcn gtggttccan tcttgcttcc ctcagcacat 240

tccancagat gtggatcncc aaggccgagt atgatgaggc aggtccanna ancnttcaca 300

naaaatgttt ctaagctctc aagatcaaag gcttaaaaag ctggggtttt atgaatggga 360

tcaaagtttc ttttttttct tttatattgt gcttctccat ttgtntgttt catttccccn 420

ttntgttttc cnttccaatg angcacntgt ggtttgacaa actcctccgg gtttttacnt 480

acctccgcct ttccaaaa 498

<210> 2548
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F4

<400> 2548

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aagatcacac 120

tacctcgcac aacaatggag ttctggggtg ttgangttaa gaatggcaaa ccacttcacc 180

tagatcctgg gctagacagg ctcgtgcaca tctctcaggt tgctttggga gagagtaaga 240

acaatgtanc cganccaatc cagctttacg tgactgttgg atcggataag cttctcattg 300

gaacgctatc tcatgagaag tttcctcaag ctgtctacgg agattgtctt ggaaaggaac 360

tttgcgcngt ctcatacttg gaaagaatgg gaacgttttc ctctctggtt acaanagttg 420

gatggcatct gattcccgaa gcctgaagga tttgattgat gattaacttn aggctgctg 479

<210> 2549
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F5

<400> 2549

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gttcttcacc tttaccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttta 120

taggatcaat cgatcaagga accaccagca ccagattcat catttacgac cacgatgctc 180

gtcctgttgc ttctcatcaa gtcgagttca ctcagttcta tcccgaagct ggatgggtgg 240

aacacgatcc aatggagata ctggaaagtg tggaaagtgt gcattgcaaa ggctctcgac 300

aaagccactg ccgatggaca caacgtcgac ggtggcttga aggccattgg gcttacagat 360

cagagagata ctactgttgt ttgggagcaa atccactggg cttcctctcc aaaan 415

<210> 2550
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F6

<400> 2550

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acttactgat cacaagatca ttaatagatt tccaatcggg tctcgtgtag ttggagcttt 120

cattatgcct tgtggaacct gttcttattg tgctaagggc catgatgatc tatgtgaana 180

cttctttgct tacaacagan ccaagggaac tctttacgat ggcgaaactc gtctcttttt 240

gcgacatgat gattcaccag tgtatatgta tagtatggga gggatggctg antactgtgt 300

tacaccagct catggtttan ctcctctacc aaagtccttg ccctactctg aatctgccat 360

tctgggattt gctgttttta caagcatatg gtgctatggc tcatgctgct gaagatccgt 420

cctggagatt cattg 435

<210> 2551
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F7

<400> 2551

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agtgtggtcg aacatcttga tggtcacact gatataatcc acaaacagct atacagcnat 120

tggttacctt gggggatgan gagaanagat ttttcgctac ggcgttactg gagaagggaa 180

gacgatggca catatgttat tctctatcat nctgtatttc acangaagtg tccacctcaa 240

gaaaggctat gtccgtgcgt gccttaaaac tggcggttat gtgatttcnc ccataggaca 300

aacgganaac aatcanttgt gaancacatg cntgctgttg attggaagtc ctggagatct 360

tatgtgaanc cntccttacc tagatctatt accgtgaaaa tgccntggaa caanttctgc 420

cctgatacaa cgttttaagg gcanaaca 448

<210> 2552
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F8

<400> 2552

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caacggtact attccggcga tgaagtgtcc caagaatgtg gcgatgatga agacaacgtc 120

taacggagtg ttcgatggag agagtccatt anatttcgct tttcctcttg tcattcttca 180

gatttgcctt gtcgtcgccg tcactcgctc tttggccttc cttctccgtc ccatgagaca 240

accacgtgtt gtcgccgaga tcattggcgg gattcttctt ggccccgtcg gctctcggta 300

gaatcacgtc gtacaagaat tcaattttcc cggcgagaag tctaacggtg ctcgacactc 360

tagcaaacct cggnctcctt ctcttcnntt tcctcgtcgg gactccgaga tcgatctgac 420

atctctccga cgtaccggca aaaaagcga 449

<210> 2553
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-F9

<400> 2553

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tccaaggaaa atggttctga ggtttttgtt aagacggaga agaaagatga gacagagcat 120

catcatcatc atagctatgc tcctcctccc aacagattaa ctggtaagaa aagccattgg 180

cgcgacgaag atgaagattt cgttgaagaa agaagtaaca agcaatcaag ctgtttatgt 240

tgaggaaagc gagctttctg aaatgtttga taagatcttg gtatgtggcc ctgggaaacc 300

tgtatgcatt cttaaccaga actttcctac agaatccgct aaagtcgtga ccgcacagtc 360

aaatggagca aagattcgtg ggaagaaatc aacttctact aatcataagt aacgattcta 420

agaaagaaac tgctgatttg aggactcctt tggtgttaag tgcacaagct gtacagtg 478

<210> 2554
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-G1

<400> 2554

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tcaaaataaa aaaatgagaa ctctcttacc ttcccatact ccggcaacgg taacaacggc 120

ggcgagaaga agacacgtca tacattgcgc cggtaagaga tctgactctt tctccattaa 180

ttccagtagc tccgattggc aaagctcctg cgccattctc tcaagcaaag ttaactcaca 240

agaacaatct gaatccttan cttccaattc caatggatca tcatcctacc acgtttccgc 300

cgtcaacggt cacaacaacg gcgccggagt nctcaagatt tgaatctaag ttccattcaa 360

caacaaccan tcgattcaat cgaagaagcc tttaagtatt tcaagatnta tctccaagct 420

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ccaaaaccgc cgctgggtaa a 501

<210> 2555
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-G11

<400> 2555

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ctcaaagctc ctgatgtgaa gagtgtttgt tctgtttttc taatccaaga gatattgtcc 180

ggaactgttc ttcagtgttt ggtgtcttag aagaaagaaa cacttttgga gcattatgca 240

taggagtttc tgaagatttc aagctaatta ctatcattaa tcagctatga agtttatgaa 300

acttggatct cgtcctgaca ctttctacac ttctgaagat ttaagatgtg tgtcctctga 360

agtttccagt gattttacta ntgaagtgtc anggaagcag gtaacctcct caacaagn 418

<210> 2556
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-G2

<400> 2556

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cgtccggttg agatgtctat gatcgatgag ccgttgtacc caatcgccgt acttatagac 120

gagttaaaaa acgatgatat tcagctaaga ttgaattcca tcagaaggct ttctacgatc 180

gctcgtgctc ttggggaaga gaggactaga aaggaattga tccctttcct tagcgaaaac 240

aatgacgatg atgatgangt tttattagca atggctgaag aattgggtgt gtttattcct 300

tatgttggtg gtgttgagta tgcacatgtt cttcntccac ctttggaaac tctttcgact 360

gtcgaanaaa cttgtgttag gggagaaagc tgttgagtcg ctttgtagag ttgggctctc 420

anatganggg acattgncct gggttgatca tttccatttc gtnanttaag cgacttgccg 480

ctggtgaatg gttcan 496

<210> 2557
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-E6

<400> 2557

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tctctcgacg atgatttcgt ctctgatttg ttttgcttcg atcaaagcaa tggagcagaa 120

cttgatgatt acacacagtt tggtgtaaat ttgcagactg atcaagagga tacctttcca 180

gattttgtgt catatggtgt gaatttgcag caggagccag atgaagtctt tagtattgga 240

gcttctcaat tggatttgtc ctcgtataat ggaagttttg tcgctagagc cagaacaggt 300

ggggcaacaa gattgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaagatg acgattgctc canaaagcgg 420

gcaaaggact ggatcttt 438

<210> 2558
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-C3

<400> 2558

ttctccggct aaatcatgtt tcgtcgttta antctccggn aagcanccgc cgtcnccgcg 60

gaatcgaaga ttgcttgtca ncatactgtt catggattcn aacagcgaag aggattacac 120

agtaggaatg agaaggcaat ggantatgta gccaaangat ggancgcgat taaanaanta 180

nagagagtta tcgattactg tgaactcaat gatcgtcgtc ttattcctct cctcagggga 240

gctaaagaga actttgaact tgctctggaa gctgaataat ttgnacactc atgctangta 300

ttggctttcc aagttgcacc tgaagtacca tgttcctgga gcttgtaaag ctgtgggaac 360

tgctttgctt gtcgaaactg canacatggg taatgcagat gctcaatatg agctaaggtg 420

tcnt 424

<210> 2559
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-C5

<400> 2559

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cctctccggt gactcttcct tcttctgcta ccgaactttt cgcttccttc tctgaccaat 120

ttttttcaac aacctctctt cttcaacaaa ttctcttctc aaatcctcca aatcctctct 180

gccatgaacg ctactttctt cctcctctcc ancaccgtct ccaccgtcac aatcancgga 240

ttcaacggtc tcgatttctc atcttagaac cacatgcatc ccttctgttg cgttacaact 300

gtctccgatc actctccttc gatgcctccg ttacctgaac cacaaccgcc tctaccgaat 360

tacgccgccg attttggttc ggcgagatcc gaaccgatta taactcgatn tgcttctcaa 420

agttataatc attcangtca attcaatanc aatcttaatc aaaaggctct cgtttaaaca 480

atcaacag 488

<210> 2560
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-C6

<400> 2560

acccaatttt ttacgangaa tcagagaaaa gtcgaaacct ttttccaata aaaagaaaaa 60

tcgaaacttt ccttggggtt tatcactttc ctccttcgat tccatttttct gatccttttt 120

ctcgctgttg ctggagatgg cggaagagag gagcttgaac ggcgaagcga ctggtcagga 180

tgatgagagt ttcttcgatt ctgatcagca aggcgacgac ggcaagtcca cggaactcaa 240

tcagaagatc ggagacctcg agtctcagaa tcaaggaact ggccagagat aacgatgcta 300

tcaatcgtaa aattgagagc ttgacggcgg agattgagga gttgagagga gccgaatcca 360

aggccaagcg taaggatggg tgagatggag cgagagattg acaagtccga tgaagaaaag 420

aaaggtcctg aancc 435

<210> 2561
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-D1

<400> 2561

gtnaaggtcc aaggtccacg nncccgtccg cnttcaaaaa cacattcttg gtctttcttg 60

aattactcaa gaattttctt ctctcttctt ctctaaaaaa cccaaattca aaaatctgtc 120

taaatcttcc caactcttgg tggggttctt gaaagtaaaa aactttgttg aaaaaaagaa 180

atgaagcaaa ttgttataac agctcttgtt ttactacaag cttatgttct tcatcaatcc 240

acatgtgtta tgtcccttac tacacaagaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnngatt atcaacagag agagaaggaa ttgcataaac aagagagtaa 360

caacatgaga ctggttattt cactagcagc tacattttcc ttagttggta taatcttact 420

ttgctctctg ctttaatggt tttgccataa gagaaagaaa cctcaagagc 470

<210> 2562
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-D11

<400> 2562

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aagaaatgat tctccacaaa atggcgttct tggccgttat tctcttcttc ttgataagca 120

gcagcagcgt ttgcgttcat agccgtgaaa cgtttgcttg cgatacaaag gacgcagcaa 180

cagctacact gagattctgc cagctttcag ttcctatacc ggagagagtc agagatttga 240

tcggacggtt gacattggcc gagaaagtga gcttgttagg gaacactgcg gcggcgatac 300

cacgtctagg aatcaaaggg tacgagtggt ggtcggaggc tttacacggc gtttcaaatg 360

tgggacccgg tactaagttc ggtggggttt accctgcanc caccagtttc cctc 414

<210> 2563
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-D12

<400> 2563

acgcgtccgc ncgattaagc aaaaccctag atttattcta ctcttcgaag tcgatttcaa 60

tggaaggttc ctcgtcagcc atcgcgagga agacatggga gctagagaac aacattctcc 120

cagtggaacc aaccgattca gcctccgaca gtatattcca ctacgacgac gcttcacaag 180

ccanaatcca gcaggagaag ccatgggcct ccgatcctaa ctacttcaag cgcgttcaca 240

tctcagccct tgctcttctc aagatggtgg ttcacgctcg ctccggtggc acaatcgaga 300

tcatgggtct tatgcagggt aaaaccgacg gtgatacaat catcgttatg gatgcttttg 360

ctttgcctgt tgaaggtact gagactaggg ttaatgctca gtctgatgcc taagaagtat 420

aatgggtgga antact 436

<210> 2564
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-D2

<400> 2564

ttacgccttc cngtagccgt ccaaaattca agggtcgacg nacgcgtccg aaaganatta 60

aatacacaca atgaccaaag aagtttgctc caacattgga ctttggttat tgctcacgtt 120

acttattggt aactatgtcg tcaatcttga agcctcgcac catgtctaca agagacttac 180

ccaaagcact aacaccaaat ctccttccgt aaaccagccc taccggaccg gtttccattt 240

ccaacccccc aaaaattgga tgaacgatcc taatgggcct atgatataca aaggaatata 300

tcatcttttc taccaatgga acccgaaagg aagccgtgtg gggtaacatc gtgtgggctc 360

attccacgtc aacagactta atcaattggg atccacatcc tccagctatc ttcccatcct 420

gcaccttnng atatcaacgg gtgctggtcc cgggttcagc taactaatct ccctaatggg 480

aaaacnggtt atcctcc 497

<210> 2565
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-D4

<400> 2565

aactgtctag ccgctcgtag cctccanaaa ttccanggtc cacccacgcg tccgaaagct 60

aagagcaaca aactaaagat tttttaagaa aatggcagct tctaagcgac tagttgtccc 120

ttgcttgttc ttagttttgt tgtttgctca agccaattcg caaggtttga aagtaggttt 180

ctacagcaaa acatgcccac aactcgaggg tatagttaaa aaggtcgtgt tcgatgcgat 240

gaacaaagca ccaacacttg gtgctccttt gcttagaatg ttcttccacg actgcttcgt 300

tcggggatgt gacngatnag ttttgttaga taaaccaaac aatcaaggtg agaagaatgc 360

aagttcctaa cctaagtcct ccaaggtttg gcatcataga ccattccaan gcngctccta 420

aaaaaagtgt gtcccgggga attggtttcc tgccccggaa ancctgggaa cttgtcccca 480

aaaaaaccca atnggttgca ctttaaa 507

<210> 2566
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-D6

<400> 2566

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ccacgcgtcc gcccacgcgt ccgctttgat gacgttcacc caaacaaggc ggatgtgata 120

atggccttgg caggatcaag cggaggctca tggnctacgg gtttgtctca naaaccgaag 180

tcgaagaaca acacaagtga cggtccatac aagctaggcc aaatgtatga aggaggcagc 240

tctaaggaaa caccacaaat gcccccggaa tttcgtgcaa ggccgagtca tcaacctacc 300

tccagtgcct gtcaccggat ctttacacaa ccaggtagag agcatcaagg aagcatcatc 360

tcaaggggac gagatatcag agatccggtt cacagatcag attctgaaaa agaagncaca 420

tgattaaagt ctgaatatga gagacgatga gtgtgggctg ttcctccaaa ttgtggtttt 480

tttgt 485

<210> 2567
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-E1

<400> 2567

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catataactt aaataccttg acagaggttc aaaacaatac cctcaaggac cttgcagact 120

tgggattagt caagcttcaa cagggaagga aagacagttg gtttattcct actaaactgg 180

ctacaaattt atcagtcagt ctggcagatt catcagcgcg aaaagaggga tttgtcgtga 240

tggaaacaaa cttcacaatg tatgcgtact ccacatctaa gttacagtgt gaaattttac 300

gactatttgc gaggataaga gtaccaactt ccaaacctta ttgcttgtgc cattacaaag 360

gaaagtttgt acaatgcatt tgacaatggc atcacatcag atnagattat aactttcctc 420

caagcaagaa ttcctcatcc acgatgttgc cgatngggtc ccatccnatt ccagaaaaat 480

gtcc 484

<210> 2568
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-E11

<400> 2568

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ataggactac tgggaaggaa cctggagaag caagctccac cgccactacg gcggagactg 120

tggaggagag atcaggctcc ggaagatggc ggcggccgag agatttaaag ggtggcggcg 180

atatcgaagg gattccacag gttttgggtc gtttggtttc gaatggttca agtaagattg 240

catgtcttta cacacagcaa ggcaagaaag ggactaacca agacgccatg ctcgtctttg 300

agaacttttg ttcgagagac gatacagtgt tttgtggtgt attcgatgga catggaccat 360

ttggtcatat ggttgccaag aaagtccgaa gatacattgc ccttcacact cttaanccag 420

ttgaaatgan ctcaagagtc agatnaaagc aacttagttt ggtgccaaag ggtt 474

<210> 2569
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-E2

<400> 2569

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cgcncacggc gtccgcattt ttctctcttc cataanaccc aaaagaaact aggaagagga 120

gtanataata tttgttttaa agaaatgatt ctccacaaaa tggcgttctt ggccgttatt 180

ctcttcttct tgataagcan cagcagcgtt tgcgttcata gccgtgaaac gtttgcttgc 240

gatacaaagg acgcagcanc agctacactg agattctgcc agctttcagt tcctataccg 300

gagagagtca tagatttgat cggacggttg acattggccg agaaagtgag cttgttaggg 360

aacactgcgg cggcgatacc acgtctagga atcaaagggg tacgaagtgg tggtcngang 420

ctttacacgg cgtttcaaat gtgggaaccg gtactaagtt ccggtggggg ttaacctgca 480

nccaacaatt ttcctc 496

<210> 2570
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-E5

<400> 2570

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aaggatatgg atacnaattc cttgatgctc attgataaca atggctcttt tgagatcgat 180

gaccaatccc atgtccatgt cgatgcctcc catacccttg aacctgtcac cctacccacc 240

aagcgcagga ggaagaantc tgacgtctgg aaccacttca ctgttgaaac tgttagccct 300

ggatctgcca aagcttgctg caancactgg ccgcaaatcc ttcgcctaca ttaatggcca 360

aaagttggca ggaactagcc atcttaaacg tcacattcaa ctgggtattt gtcccatgaa 420

ccgagacgac aagcagcacc ctccgcacaa atccgntact cccaacanca acaatgattc 480

tcccnagaaa cgc 493

<210> 2571
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-035-Q1-E1-B9

<400> 2571

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aatgagtcaa tcaaatcgtg tcagagacga agttacatta cctttactcc aaaaaacctc 120

tcatctgaaa aatcactcct ctgttctctc tgttttccta aatgaagcaa tctcaatctg 180

caaaatctct tacccattgg tcctcactgg tctcttcctc tacgttcgct ccttcgtctc 240

tctgtctttc ctcggtggtc tcggtgacgc cactctcgcc ggtggctccc tcgccgccgc 300

atttgcaaac atcaccggat actctctttt ctccggttta accatgggcg ttgagtctat 360

ctgttcacaa gcctttggag ccagacgcta taactacgtc tgcgcgagtg tcaagaa 417

<210> 2572
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-H2

<400> 2572

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cggagattat tccaactcgt ggagactatg cacggttacg caagtcgaag aactcaagat 120

tcggatccga atgttcccaa tctgggcttc tggtatcatt ttctcagctg tatacgcaca 180

aatgtccaca atgtttgttc aacaaggccg agccatgaac tgcaaaattg gatcattcca 240

gcttcctcct gcagcactcg ggacattcga cacagcaagc gtcatcatct gggtgccgct 300

ctacgaccgg ttcatcgttc ccttagcaag aaagttcaca nggagtanac aaaggattca 360

ctgagataca aanaatggga attggnccgt ttgnccccgt tctccgtatg gcanctgcaa 420

ctatccgtcc aaaatcatcc gtctccanaa gggcaa 456

<210> 2573
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-H3

<400> 2573

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cagagctcaa cgagctctca ctttctttac gcacacttgt tggaacgaaa tatattcata 180

gagaagaaga atctcgaaac tcttgaatct aaaacaactc ggagactctg ttttcccttt 240

ccggagatca gatcggatca agatgcagac aaccaacggc tcagattcga cgttggcaac 300

ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nggggatgat 420

gatgatgcag cagcaacaag atgctggtgt ntcctcaata ataagttccg ttaaatcaaa 480

ggccctaaca acaagcatca tcc 503

<210> 2574
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-034-Q1-E2-H5

<400> 2574

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catcttcttc ttcttgttta gcctcctgga ggttactttg tttgttacta gttccaaaac 180

atgccgaaag agaggaaaga acggtccgta tctcttgata agtataaacg atcgccactg 240

tgttgtgagg caagccttgc tttgaagccg agtgagaaac aagttaagga atgggaaaag 300

gctcgttgtc ctgtttgtat ggaacatcct cacaatggga atcctcccan ttgttcctcc 360

taagaaaatg ggttgtccaa cntacaatgt ncgaaactaa ncaaccggga atccnaactg 420

gttccattaa gtttcncaaa 440

<210> 2575
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-H7

<400> 2575

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agtgatatta tgacttgcag ccaaacactc ggaaacaaca acaccaacaa ataccatatc 120

tgcgaggaga tcggccgtgg ccgtttcggc accgtctctc gcgtctacgc tccggccacc 180

ggtgatttct tcgcttgcaa aaccatcgac aaagcctctc tctccgacga ccttgaccgt 240

gcctgtctcg acaacgagcc taagctcatg gctctcttgt cctatcaccc taacatcgtt 300

caaatccatg atttcatcga cactgattcg actctctcca tcttcatgga gctcgtcnat 360

ccctcngttt cgatntacga cgtctcgtct cttcnggaac ttctttganc tcanacggng 420

tcttcgctaa anagattctc aa 442

<210> 2576
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-035-Q1-E1-A1

<400> 2576

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atcgaaaaag atggatgcta atttcgagat gcctccagtc ggtggaatga acgacgacga 120

cgacatggat ttcggtgacg gcgcctcgtt tcttaaagtc ggtgaagaga aagagatcca 180

acaaggtttg aagaagaagc ttcttaaaga aggtgaagga tatgaaactc ctgagaatgg 240

cgatgaagtt gaagtgcatt acactggaac tttgcttgat gggacgaaag tttgattcga 300

gtcgtgatag agcaacgcct ttcaaattca ctcttggaca aggtcaagtt attaaangat 360

gggatattgg tattaagacg atganngaaa anggtgaaaa cgctgtnttc actaaacctg 420

cggagnctag natatgggga anccgggtcc cc 452

<210> 2577
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-A2

<400> 2577

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gcatcgacct gttcagctaa atcggtcacc actgatctga atcttagggt aagttcagtc 120

accacaggat ccggtctcaa gaagcatttg gatagcaaag atttttctca gccacaatct 180

gtgtcctcct attcctttga taacccaagg gacctcaacg cagagagttt caagattatt 240

tacanaagat taaccgatat ggtttcagga caagatgagg ctgctagagt tatcagctgt 300

gcactgtcac aaccgcctaa gagtgtcact cgaanagatg tttggcttaa tttggttggg 360

tcctgatact gtangaaaga gaagaatgtc nccttgtcct tgctgaaaat gtgttacaaa 420

agcgaacaca nattttatg 439

<210> 2578
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-035-Q1-E1-A4

<400> 2578

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntaagaca gctttgaatc 120

tacagacaac ttcattttta ccaaaatttc tgtttcttca aaggattgaa ctttcatatt 180

tctctcttgc ccagttctga gttattgcaa tcagaagttg taaacacttt tcctgtctct 240

ttctgctacc cgaatttatc ttctttagcg tctgtctctt tcaagcggac gtgtcttgtc 300

tctttaaggt aatttncaag acttaaactt gaagtatctc tggccttctt ctgctgtctg 360

tttcattttt gaaatcgatt tggagattaa gatctgactc agcttcgact aaaagncaat 420

tgctttcgcc tttggattgt tgattcccta atggatgttc ttaacccctt aaaaa 475

<210> 2579
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-A5

<400> 2579

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aattcgtatc ggtttaaagt aaaaaagcaa tgggaggtgg taaagacaag catcatgatg 120

agcaagagaa aggatttcat ggttttccag gaggtggaca ttacccacct gctcaaggag 180

gttaccctcc tcaaggttac ccaccacaac aagggtatcc tccagctgga ggctacccac 240

ctgccggata tcctcctggt gcttaccctg ctgcgcccgg tggttatcct cctgcacctg 300

gaggttaccc tcctgctggg ctatcctgca cctggagctc accattcagg acattctggt 360

ggtggactcg ggaggcatga tagcaggtgc agctggtgca gccgcagcag cttatncgag 420

ctcaccatgt tggtcacgcc tctcaaaaan ccttacgggc atgctgttan ggacatggaa 480

ggggtat 487

<210> 2580
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-A8

<400> 2580

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ttanagccct ttgcaggaac ttggccagtg tatcagcatg actgagttgc agctcgatca 120

tactgcagct acatcaaatg tcaatcctgg agatcatgtt ctagggatct ctcctacgtc 180

atctctctct ccaggaactc agagtctcct gcctcttatt gaggctttct ttgttctctg 240

tgagaagatt caaactccgt caatgttaca gcaggatgca actgtgacag cgggagaagt 300

aaaggagtcg tctactcatg gttcttcatc gaaaaccatt gtagattctc agaagaaaat 360

tgatggttct gttacatttt caaagtttgt ggagaagcac aggcggcttt taaattcatt 420

tgttaaggca aaatccaaag tttgctggag aagtcttttt caatgatgct caaaggaaca 480

aggctgantg a 491

<210> 2581
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-A9

<400> 2581

acgcgtccgc aagaacatan gcactattac attgcaacac tttctacaaa aacaagatga 60

agattgcaac gttttctgtt ctactcttgc ttttanttat tttccccgtg gcattaagcg 120

cagctgaaat ttaagtttta cagtgaatcg tgccctaatg cagagactat cgtagaaaac 180

ctggttcgcc agcagtttgc tcgtgaccct tcaatcacgg ncgccttgac tcgtatgcat 240

tttcacgact gttttgtcca gggctgcgac gcttctctcc tcatagaccc aacgacgtct 300

caactatcgg naaaaaacgc cggcccaaac tttancgtga gagggttcga gctgatcgac 360

gagatcaaga cggcactcga agctcaatgt ccctctacng tctcggtgct ccggatanaa 420

tca 423

<210> 2582
<211> 461

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-B11

<400> 2582

ctgtttagcc tgcccgtagc ngtccgaaaa ttcccnggtc cacccacgcg tccgcaaaag 60

ttttctgttt taacttttcc tctgtttttg atttttctct ctgaatctct ccttcatttc 120

cccgggaaat agtaccaaga aaggntatca tcgatcaaac tcttcttggt ggattcttca 180

gagatgggtt tagtcaacgg gagagcttcg ttgacctttc tcctcgcggc gttgaccatc 240

atcgctatgg tcgtcgaggc tangtttgtg gtggagaaag aaagcataag cgtgctgaat 300

ccagaggaga tgangtcgaa gcacgacggc tcgatagcca atttcggttt acccgattac 360

gggtgggttt ttaatcgggt caatggttta tccgggataa gtaaaancca tggatgctcc 420

gcntttggtn aaaacttcaa ncccaaattt cctncgtcca c 461

<210> 2583
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-B4

<400> 2583

aantgtctac gccgtgtcgt agcctccaga aattccaggg tcnacccacg cgtccgatct 60

tctccggcga tgaagacgac ggcgacgtcg tttgtnacgg gagagagagt tgtagttttc 120

gtcgtggttt ctcgtattct cttacctctt cctttatcac ttatctccca tgggcttctc 180

cctcttccnc ctctctctct ccgccttcct cgtcgagatn cgngtcgana cttcnccgtt 240

tcttctctct catttcaagc tccaagacgc ggtgcgtctt cagggatatt actacgaggc 300

tgtgacactt ccttctgtta tgatatccaa gttacgttcc agctttcaag agctatttca 360

ntccantgaa gctgaacaag atgagcttgc acatgtgaca atgcagtatt gggcagcatc 420

ggctaagttg ttgtgctana acctaaatat ccaatcaatg gattatgtca caaagtgaag 480

aanagatgaa acctttgncc tcaaccgtc 509

<210> 2584
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-035-Q1-E1-B6

<400> 2584

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngccgact ccacaaattt 120

tgagcttctt tttttgaagt tcttgagaac aagtgaaaga gcttaatatc cacaagactc 180

ttgtttcttt cttaaatggc taaagtttat tggccttatt tcgatcctga atatgagaac 240

ttgagctcca gaatcaatcc tccaagtgtt tctatagata acactagctg caaagaatgc 300

actcttgtca aggtggacag tatgaacaaa cctggaatac tacttgaagt tgtgcaagtc 360

ctaaccgatt ctccgatctc actatcacta aagcttatat ctcctccgaa ggtgggatgg 420

gtcaanggac gtaa 434

<210> 2585
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-034-Q1-E2-H10

<400> 2585

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cttggttcna aagggatatt ttacgtgttt aagatatctc aggtttgtct ggcgtttgca 120

aggaatagcg atgacagtaa cgctgccatc tttggaaacg ttcagcagca aacgcnagaa 180

gttgtgtang atggtgcggg tgggcgggtc gggtttgcnc caaangggtg tacttaantt 240

agttaatgaa naacataacg gggtaaattt taaatttatg gatttggcac anattatcgt 300

tatccttaat caagtgtgta atttgggtaa agatcagaat tcgtgatggt ctttgaaata 360

attgtatagt aataagtgtg catgatacaa caattacnan tacgcntttt gnaaaaaaan 420

ggggnggcng ctctagaagn ttcaagctt 449

<210> 2586
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-F3

<400> 2586

gctccatttg gaaatccaga tcatgctcta gagccctagt ttagatctcg aaggaagaca 60

atgggacgga tcttcgagta cttcgtcgtg tgcggacttg gtccagagat gcgaaccgtg 120

gatggagatc ttggattcca tggaatgcaa acattctact tgcctgctct tcttgaccag 180

ttccctccta ctgatcaatc tccttaccct gcccctcctc ctcagcttcc tacttgtgtt 240

cttcctgctg gggtggagtt ccattcttct ggttttgttt ccagtgaccc tgcaagtttc 300

ccacggagct atcccatagt cttgacggan ggtgatggat naaaaatatt gtcagttgca 360

ttgcatttcg ggatcagtct gtgaggataa tattgaagct tancgcttaa cgccgaatac 420

atacgcanac aagtgtatct gtcctgt 447

<210> 2587
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-F6

<400> 2587

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agtttcagct ttatgaatcg ggagtgtttg acggaacttg cggaacaaac ctaaaccatg 120

gtgttgttgt ggtcgggtat ggaaccgaga atggtcgtga ctactggatt gtgaaaaact 180

cgaggggcga cacatggggg gaggctggct acatgaagat ggctcgcaac attgccaatc 240

caagaggcct atgtggcatc gcaatgcgag cttcataccc tctcaagaac tcgttttcta 300

cggataaagt ttcggttgcc taataatatg aactaaatgt atgccatgga acggatcggt 360

taagccatta tcgttattcg actttgaagg aaactaaaaa atatgtggtc gantggtttg 420

gtttgttata antaagcat 439

<210> 2588
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-F7

<400> 2588

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agtctctcat caatggcggc tcgaaaacta gggtcgttgt tacgtcaata ctttttctct 120

ctatgcttcc tcttcctcgg ttgcttcttc ttccctaaag acgcagacta taaacaaaag 180

agaagaaaga agaagcttag aagagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nggacgtatt taaaacgagt tttcttatcc acgacaagga tatccaaatc ccgtaaccaa 300

acacatccta acgttacttt aacatcggca agattnatct caaaaatccc tccgnnatcc 360

tcgtcaaacc cgatacaaca aaacnaaccc gaacccggaa anagttatta ataagnaanc 420

gaaattcgan attnccctct tcgaacaaat 450

<210> 2589
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-033-Q1-E2-F8

<400> 2589

gatcatctta tcttcacaat gaagaacaag aagacgaaag atgttgtagc tgataaagtc 60

aaaacagaag tcaaggaagc aaaaacagag gaaatcaaga acacagagcc tgaaacagag 120

caaaaacaga gctgtgttat aaacgagaat ctgaagaaga tcgctagacc ggatcatttc 180

ttgcctgtga ctgtgatctt ggttcttgtg tttttggctt tctttggaag atctgtagcg 240

attatgttta cttgtatcgc ttggtacttg gttccaacga ttcaagaaca gagtggaaac 300

agaggatcat caccgtctta cgcgatgaag aagaaagatt tcgctaggaa attgagtatt 360

gaaaacagaa catcgtttaa tccaagaact gttcgtgatc attctcctcg caagtagaag 420

aatttcctaa ttttggctgc tcgtg 445

<210> 2590

<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-G1

<400> 2590

gatctccttc ttcttctcct tctcaaatct ttttttcag gcgtaacgaa tcgaatcata 60

aacacttacg cagaaacaaa aactaaactt tggatctttt aaccgaccat agagattcgt 120

gggttcttct tagtttcgac agattcttga tccgttttag ttgttacgct catctttgct 180

tttatacatc agacccttct cttctcttcc ttctttatct aagaaacatt agggttcttt 240

gaaatcttgc taaaaaaaat gggtgttgag aaaatggtgt gtttagcttc tcgtacgggt 300

cgtcagtttc agagatacaa caaaggtcgt cgtcaagtcg ttggatgtgt tccttacaga 360

ttcaagctat ctaaagatgg naaaataagt gatgaagtag aagttcctgn taactcctcc 420

caaaaanggc angccttaat gttcccca 448

<210> 2591
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-G11

<400> 2591

gccaaactct tctccctcga tcgtctccgt cgccgatctc gtttcttcat tttccgcgtg 60

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gaggaagctt cactcccaat cacttgcaac tccggttttg tcttggtttt cttcgaagaa 180

agctcatgag gatgctggtt cttctggtgt aagagcactt gccttgttgg gtgctggtgt 240

tacaggactg ttgagttttt ctacagtagc atctgctgat gaggctgaac atggattgga 300

gagtccagag taccttggc ctcatgatgg cattcttagc tcatatgacc atgcttcgat 360

tcgtcgtggg catcaaagtt tatcaacaaa gtccgttgca tcatggccat tcaaatgtcc 420

ccngattctc aataanccga agaactttgg tggggttgtc cnccctaaca caagaaggga 480

aagaagg 487

<210> 2592
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-G3

<400> 2592

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tccgccagaa atggatggaa tgatgataga gctagcagta caaacgaagc aagtcttcat 120

tctgctcttg attttggtgg aaaatctagt atagcttctg tgcccataac agacaccaca 180

catgtgaaat ctgagactgg ctctccaaga cattcatcct ctgctaaaat ggatgaaact 240

aatggccggg aggaaaaatc agagaaggaa ctgaatgatg atggtgaata tttgattaga 300

ccttatcttg agcatcttga aaagattcgg ttcagataca actgtgagag agttgttgat 360

ctcgacaagc atgatggaat cttcttaata ngggaattct gtctgtatgt gatagaaaac 420

ttttacattg acgaagatgg gtgtatttgt gagaaagaat gcnaagatga gttaccgtta 480

atgatnaaac gttgggtgtg aaa 503

<210> 2593
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-G5

<400> 2593

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gagagggccg ttcagactga ggattggatt ttattggtac tgagagtggg aacgtagtca 120

ttcatgagtt aagttttgct tggaatggtc gtgagaagtg ggtcatcgtc tttttccctt 180

tgcgttgtgt tgtgtgatgt tggtacgggt tatcttcgtg cttcttgtcg aattgagtat 240

attgtatcag taaagaattt ataacttaaa aagagcctta tgtcaaatac gacgtcgttt 300

tgtatgggaa atggattttt tacaccgctg aaaaaaaaaa aaaaaaaagg gng 353

<210> 2594

<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-G7

<400> 2594

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agatgcggcg acgatggtaa cggcgccgga gagacagtaa agaatggcga aattgatcat 120

ttgctttccg aaccgtcggc tccgactatt tctctcccta cggaatcttt cctcagagca 180

gcgacgttac tcaagaacca ggttgtggag gccacgtgga aaggtggtgt cgaagctctt 240

gcctctggtt cgggtccagt gctggattcg actgtgtaca cangactact cggcacaacg 300

ttcacctgct tgaaatcgta ccaagttacg cngaancatc aagatctgct aacttgcgca 360

nagattatcg acactttgcc aaagttncgc gtgccacaan cangcacgtn acattttang 420

ttgaaaaagg angatttgtt 440

<210> 2595
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-G9

<400> 2595

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntctt 120

ttgattcaag tcaaacacta ctcagaagtt ttctcatcgg tatcgagaga gatccatcgg 180

attctatcat cggatgttat atctgttcgt cggtggttat cggaggatat gctccgtggt 240

tggttcgggg gtgttagtgg ccggtgaggc agatggtgat gatggtggcg gttgatgatc 300

gacaaaatta naaagcgtgt tttcttattt gtttcgtttt gagtttgtct cttaagtgtt 360

ttggtantag aagatgatga anaaggggaa aaggaaagaa cagtggcttg ttancgaaat 420

cccttaanaa taaatcctcc ttgccttaaa actggtaccg gtaacgc 467

<210> 2596

<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H10

<400> 2596

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gtatgtttga tggtaacctt gggccgtacg ctaatcttgg gccaagagat gtttgtactc 120

cggcccataa acatttagct cttgaagcag cccatcaagg gattgttctt ctcaaaaact 180

ctgctcgctc tcttccactc tcccccaaga cgccaccgca ccgtcgccgt gattggtcca 240

aactccgacg tcactgagac tatgatcggc aactatgcag ggaaagcatg cgcctatacg 300

tcgccgttgc aagggatttc aagatacgcg aggacacttc accaagctgg ctgtgccggc 360

gtggcttgca aagggaacca aggatttggt gcaacggang cancggcgcg ttgaaaccga 420

cgcgacggtt cttgtgatgg gaataaatna gtcatagagg naagagaca 469

<210> 2597
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-H12

<400> 2597

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gaagatcacg tgagcatatg agaagccgag aagagagcga gtttgaaaca gtttgggtga 180

tgctggtggt tcatcaaatg aagctgctaa caaaagacaa ggaagagctt ctcaagaaca 240

atagttatga caacaagtca cctttgcata agaattctta tgatggtact ggaaaatcta 300

agcctaaacc taccaacctt agagctgatg aaagtcctga aaaagtcaca gtggtgccta 360

aattcggtga ctgggacgag aacaacccgt catcagctga cgggatacac gcatatcttc 420

aataaagtcc gtgaagagag aaattctgga gcaaatgtga atgggttttc aagaacgccg 480

actcatcaaa agtcccgtta acccgaacaa cacttcctca agttgctgc 529

<210> 2598
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-F2

<400> 2598

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caaacccgaa aacaaagaac attcgtctct acgtgaagcg tgtgtttatc tctgacgatt 120

ttgatggaga gcttttcccg agatatctga gctttgtgaa gggagttgtg gactctgatg 180

atcttcctct taatgtttct cgtgaaattc tccaagaaag cagaattgta agaatcatga 240

gaaagaggct cattagaaaa acctttgaca tgatacaaga aatctctgag agtgaaaaca 300

aagaggatta caagaaattc tgggagaact ttggtagatt ccttaaattg ggttgtattg 360

aagacaccgg taaccacaag cgtatcacac cgctacttag attcttcagt tccaagaatg 420

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atctactanc tcgcaactga taatcct 507

<210> 2599
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D5

<400> 2599

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tggctatgtt taggattatg ttctaataag tgttcttttg ctgttttcag atgagtccta 120

cagatgaaga tgaattctct atttacaaac agagaagcac tcatatgaga aaccattctt 180

tagaagagga tttggaggct gagaagacca tttcctttca agataaggtt gatccaagtg 240

gagaagaaca aactctgatg agaaatgagt ccatctcaag aaagcaaagc gatctcgaga 300

caccggaaaa gatggaatca tttagcacat ttggcgatga aatccaatcc gtgggatcga 360

agtctacaaa agtatctgaa gactacaatc aggtgacgat gaanaagaaa gaagaagana 420

tgttgagtta gaacaagatc ca 442

<210> 2600
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D6

<400> 2600

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ccttgttctc tatttttttt gcacaagcaa catttagctt ctgcaaactc cagttcatct 120

ctcaaccctc atatcgccgt gttttctcgc tctagtaccg cgagctcgga cgaaccagga 180

agcaatccgt taatctagaa gcggtgttga gaagatgacg attacatcaa atatctctgt 240

acagaacgat aacctcgttg ttcaagggaa gactatcctt accaaaatcc ctgacaacat 300

tatcctaact ccggttaccg gtaatgggat tcgtttccgg ttcanttana aggcgcgacg 360

tttgaacaaa gcaagagtct tcatgtgttc cccatcggtg tattggaggg tcttcggttc 420

angtgctgtt tccggtttaa gctaagg 447

<210> 2601
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D8

<400> 2601

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caaggaattg aatggccaag tgaatcagat gcatcgagca ttgctactct ttcctgtgct 120

cgctgcgaga agcctgcaca tcttcagtgt ccgaaatgca tagacttaaa gcttcctcgt 180

gaacaagcct ctttctgcac tcaagaatgt ttcaaggcag cttggagctc gcacaaatca 240

gtacatgtga aagctcagct gtcttcaatc ggtgattaag aactcctgat ctatttcctc 300

aaggctggct ctattgcgtc aagaaaggnc aaggctaaga acacctaagc ttccacactt 360

tgattggact gggcctctaa agcaatatcc catatctaac aagcgtgttg tgcctgctga 420

gaatgagaaa cctgactggg caattgatgg 450

<210> 2602
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E1

<400> 2602

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tttggtttaa gggtcccann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatcccct gaaagcttat aggctccgtt 180

gaacagttat aacttgtgaa agttgaatcc ttttaaaccg acagaggaag atctcagatg 240

gcaaacaaga taagtgaaac tgcttccaag atggacgatt atgaggtcgt ggaacagatc 300

ggacgaggcg cttttggttc tgcttttctt gtaattcaca agtccgagag acgaaagtat 360

gtggttaaga agattcgttt ggctaaacaa acagagagat gcaagcttgc tgcaatccaa 420

gagatgaatt tgatatcaaa agctta 446

<210> 2603
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-033-Q1-E2-E12

<400> 2603

gggaaaatca aattctcaga caacttttt cgaagaagac gacgaatttt aaagattttg 60

ttttctatat tctcttctga tagtgaagtc tcggagactg aatgatattg tttctggtca 120

acttaaccaa tttcagaaca tggcaaacag agcagacaac tcaatgcgtt gttcaaatag 180

taagaaaccg aatgacggta tgatgctcgt aatatcgatt ttcgcgggaa tagttatcgg 240

atttttatta ggcatatctt tccctacatt gtcactaact aagatgaatt ttccatcaag 300

cattcttcct tctgttgcta ctgtctacat agaaaatgag aaaccggaga aatcatctaa 360

gacgagttca caaaacgaaa gtgatgcatc acatcatcat aagatttggg gttcaacgaa 420

tcctccaagg gcagagatgt tacctccaag tttgttgcaa ccgaat 466

<210> 2604
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E2

<400> 2604

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gaaacctttt tgattctctt tgcgatttct ttgttcaatc tcttctcaga ttgtgtgaat 120

cgggtttaaa tcggggtttt agggtctctg ttttcaaaag ggtaccaaaa agtttggagc 180

tttactgtag aaagatttga ttttttcgttg acccactccg agattttcgg atacaaatca 240

gggttttagg gtttttgttg gaatggaaga ggattatcaa cagccgaggt ttacgattgg 300

taggcaatca tcaatggcgc cggagaagat tccggagccg tcggttcact cagaagaaga 360

ngtgtttgag gatggagaag agatcgatgg tggtgtgaga ctaatgtatt tggctaatga 420

angtgacatt gaagggatta aggagcttaa tgattcaagg attgatgcta attacagaga 480

cattgatgat cggactgctt tac 503

<210> 2605
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E3

<400> 2605

gcaacgccaa attggtatta ctaggagatg ttggagctgg aaaatcaagt cttgtgctac 60

ggtttgtgaa agatcagttt gttgaatttc aggaatcaac cattggtgca gctttttct 120

ctcaaacatt ggctgtgaat gatgcgactg tgaagtttga gatatgggat acagctggtc 180

aggaacgata ccacagtttg gctccaatgt actacagggg tgcagctgct gctattattg 240

tctttgacat tactaatcaa gcctcatttg agagggcgaa gaaatgggtt caggaactgc 300

aggcacaagg taaccctaat atggtgatgg ctcttgctgg aaacaaagct gatttattan 360

acgcaaggaa agtgtctgca gangaagcag agatatatgc tcaagagaac aanccttcc 420

ttaagggaaa cctcagcgaa agancgcaac aaa 453

<210> 2606
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E4

<400> 2606

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cttcattact cgcaccatga ccaaaccctc cgacccaacc agagactccc acgtggcagt 120

tctcgctttt cctttcggca ctcatgcagc tcctctcctc accgtcacgc gccgcctcgc 180

ctccgcctct ccttccaccg tcttctcttt cttcaacacc gcacaatcca actcttcgtt 240

attttcctcc ggtgacgaag cagatcgtcc ggcgaacatc agagtatacg atattgccga 300

cggtgttccg gagggatacg tgtttaacgg gagaacacag gaagcgatng aactgtttct 360

tcaaactgcg ccgggagaaa ttccggagag aaatcgcgaa ngcggagacg gaggttggta 420

cggaagtgaa atgtttgatg actgatgcgt tcttctggtt cgcggctgat atggcgacgg 480

aga 483

<210> 2607
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E5

<400> 2607

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cttcttcgtc ttcccaattc tcttcgccgt cttgttcctg ggacttctga ttccctcctc 120

cgccgataac cgccacgtta tcaacttccg atcgccggga ctctacccgg agggactaac 180

ctgggatcca agggaccagc attttctagt cggttctctc cacagccgca caattcattc 240

cgtctccgac gctggagtca tcgaaaccct aatctccgat ctcgatctac cggagaactc 300

cactatcctc ggtctcgccg ttgactctac taatcgccgt ctccttgcct gtatccagag 360

tttgccgcct ctccctccct tcagtgccct aacctcctac gatctccgca gcggangccg 420

tctgtaatcc tctctcctct cccg 444

<210> 2608
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E8

<400> 2608

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agtcacagcg gagggagctc atatcactgt ttcccagctc aaaaccttga tcgcggatca 120

gcttcagatc cctctccata agcagacctt atccaccaat cgtgatctcc tcctcgccaa 180

aactcccgct gatctactcg ccttcaccga cctcacggac ccaaacntcc ccctctcctc 240

tctcaacctc ggccatggct ctatgctcta cctcgcctac gatggcgagc gctccattcc 300

tggagctcct cccgttactc ctgccggatt cttcgggaag gaatatgaac gtcgatgact 360

tgatngcccg ccaagatncg cgtcactcgt cangagacgt ctcactgcga ctccgtctcc 420

tttcgattgc gatgccggcc aacgctttcc 450

<210> 2609
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-E9

<400> 2609

tctcttctcc gtacggagac accgagcaaa aactggcttc ttacttcctc caagctctct 60

tcaaccgcat gaccggttca ggcgaangat gctaccgaac catggtaaca gctgcagcca 120

cagagaagac ttgctccttc gagtcaacgc gaaaaactgt actaaagttc caagaagtta 180

gcccctgggc cacgtttgga cacgtggcgg caaacggagc aatcttggaa gcagtagacg 240

gagaggcaaa gatccacatc gttgacataa gctccacgtt ttgcactcaa tggccgactc 300

ttctagaagc tttagccaca agatcagacg acacgcctca cctaaggcta accacagttg 360

tcgtggccaa caagtttgtc aacgatnaaa cggcgtcgca tcggatgatg aaagagattg 420

gnaaccgaat ggagaaattc ctaggcttat gggaattncc tt 462

<210> 2610
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-F10

<400> 2610

gcgctgttag agagaaactg gagcaacttc tcaaatttta gccttttttt gtttttgcat 60

tttgcctaat cggtgcttct ccagatttcg cttatcttgt tcctatagca taacaatggc 120

ggatttcaaa ccaaggatcg agatttcgtt ccttgaaacc ttcatttgca gcgctttcgc 180

tgcttgtttt gctgagttat gtactatacc gttggacaca gccaaagtta gacttcagct 240

tcaaagaaag attcccactg gagatggtga gaatttgccc aagtatagag gatcaattgg 300

tactctagct accatagcta gagaagaang tatttcaagt cnttggaaaa gtgttattgc 360

angacttcat cgccaatgta tctaaggggg ctaangantg ggttatatga acccgtgaag 420

acactttggg tggnaattac cttaattggc gaaaatccct taaaa 465

<210> 2611
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-F12

<400> 2611

ggaagatgac tttaccgctt ggcgagaagc attgtggccc gagcttgata caatactgag 60

ggaagaaggg gatacagctg ttgccacacc atacactgca gctgtgttag aatacagagt 120

ttctattcac gactctgaag atgccaaatt caatgatata aacatggcaa atgggaatgg 180

ttacactgtg tttgatgctc aacatcctta caaagcaaat gtcgctgtta aaagggagct 240

tcatactccc gagtctgatc gttcttgtat ccatttggaa tttgacattg ctggaagtgg 300

acttacgtat gaaactggag atcatgttgg tgtactttgt gataacttaa gtgaaactgt 360

agatgaagct cttagattgc tggatatgtc acctgatact tattcccact tcacgctgaa 420

aaagaagacg gacancaatc aacaactcaa tggctcctcc cttc 464

<210> 2612
<211> 630
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D4

<400> 2612

cccccgggtt aaanccgccg gttccccggn naaaaaattt tccccccggg nggggntccc 60

ggaaaccccc aaacggnccc ggttccccgg cccanttttt ttttttttt ttgttgggtt 120

gttgccnaaa aaaacggttn ctnctcctnc tcctngtcct ncaattaaaa aatnctncaa 180

agaagaaaag aaaaacaatn cgtccngggt tcaanggtcc gaaaagaaaa ngggaagaag 240

aaaattgaag ttgggtccac gaattccgaa aataactttc tccaacgaac gaaagaaagg 300

ggaagaagat tccctgaagc tcaaagggaa gaagcttaat tcccaagtat aaggataaga 360

gaaaagatgc agttaagaag gttattgcgg cgatgactgt tggaaaggat gtttcatcac 420

ttttcactga tgtagtcaat tgtatgcaaa cggaaaattt ggagttgaag aagcttgttt 480

acttgtatct cataaaatta tgcgaaaagc caagccaaga tcttgctatt cttgcagtaa 540

atanctttgt aaaaggattc acaaggattc aaaatccgct gaatcntgcc ttggctgtnc 600

cgacaatggg gctgcaatct gtttgataaa 630

<210> 2613
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B9

<400> 2613

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gcggaaacca aatcggttcc aagttttggg aagtggttaa tctcgagcac gggattgatc 120

agacgggacg gtatgtagga gattccgagt tacagcttga gagggttaat gtatactaca 180

acgaggcgag ttgtggaang tacgttcctc gcgctgttct catggatttg gagcctggaa 240

ccatggacag tgtcagatct ggtccgtacg gtcagatctt tccaccggat aacttcgtct 300

tcggtcaatc cggtgctggg aanaactggg ctaaaggtca ctacactgaa ngtgccgaac 360

cttattgaat ccggcccttg angttnttcn caaaaaaggc tnaaaaactg ttaanggcct 420

caaagggttt taaggggtgc caatnccttt gggaaggagg aaantggt 468

<210> 2614
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C10

<400> 2614

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aagatgcaga gaccacctcc tgaagatttc tccttgaagg agacgagacc tcatctaggt 120

ggaggaaaac tctctggaga taagcttacc agtacttatg accttgttga gcaaatgcag 180

tatctctatg ttcgtgtggt taaggcaaag gagttacctg gcaaggatat gactggtagt 240

tgtgaccctt atgttgaggt taagcttgga aactacaaag gcaccactag gcatttcgag 300

aagaaatcta atcctgagtg gaaccaagtt ttcgcctttt ctaaagatag gattcaagct 360

tctttccttg aagctactgt caaggacaag gattttgtca aagatgattt gattggtccg 420

gttgtcnttg atttgaatga agtactaaga aaantcctcc cgat 464

<210> 2615
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C12

<400> 2615

gcccacgcgt ccgcttaggg ctggacaaat ggcagacttg gatactagaa gaactgaaat 60

cttgggaaga tcggcgagca ttatccaaag aaaagtgcga tcatatcttg cgcagaaaac 120

ttttatccaa ctgcgtattt ctgctacaca aatccaagca gtttgtagag gttatcttgc 180

tagaagtata tacgaaggca tgcgcaggga agctgctgct ttgaaaatcc agagagactt 240

gcgtaagttt ctggccagga aagcttacac tgagctattt tctgctacta ttttaattca 300

agcgggtatg cgtggtatgg tttcccgaaa ggaattgtgt ctcagaaggc agactaaaac 360

tgcaaccata atccagaccc ggtgtcncgt atacttggct ccggtgcaat taccgaaaac 420

taaagaaagc anncatcacg acacaatgtt catggagaag gaaaaatt 468

<210> 2616
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C4

<400> 2616

ttacgccgcc gtagcntccg aaattccang gtcgacccac gcgtccgcat catcttctcc 60

ncttaaccct tncgacaaaa aaaaaccaan aattnaactn caagggcaan caaganaaca 120

ancaagcntn caaanacatn aganagttan cgnaccttgg nttacgaact tccttcccct 180

aaaaacctca aaaccttggg aacacattca acacgcccat caacacacac gcgtaccgac 240

aaaatgatgg taagacttcc aagtacctcc gggaacttat tggtcgtctt tggtctgaac 300

agcaaagcca gtgtttgcag cgccgctgct gtgaaagtag ctatcccgag gctccgatgt 360

aacccatagg tcactccaag ggaattatgg ccgagcacga ttccaatgga gaaaccaatg 420

ggtcctaagg angaaaccgg ttaactgtaa tgctgcntgg atgttagaan caaatgggtc 480

ctaatgaatg cantttgg 498

<210> 2617
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C5

<400> 2617

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnactcat tttctccgca gagaaaatac 120

aatccatggc ttctactttt aggctctcta ttagcttcct cactctcatc ctcttctctc 180

tgtgggtagt ggaggcacac acgtctagaa agttgatatc aatcaaggaa aaagaaggtc 240

aagatattag tcatttgctc aaagatggtg aatttgatga cccttcgttg tacatgtatt 300

tcacactcaa tgatctcaaa ctangaacca aattgctgat ttacttctac aaaaacgatt 360

cttcaaaagc ttcctccact tctcacaaga caacaaagcc gatctcantn ccttcactaa 420

agtcaaagcc ttgactttcc ttctcgaca 449

<210> 2618
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C6

<400> 2618

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ttttcgagat gccgtattga atcggctacg aatttcccaa ttttgaattt tgtgaatctc 120

tctctttctc tgtgtgtcgg tggctgcgat ggaggccagt gccggcttgg ttgctggatc 180

ctaccggaga aacgagctcg ttcggatccg acatgaatct gatggcgggt gcagaccaaa 240

cctttgaaga atatgaaatg ggccagatat gtcagatctg tggtgatgat gttgggactc 300

gctgaaactg ggagatgtct ttgtcgcgtg taatgaatgg tgccttccct gtgtgtcggc 360

cttgctatga gtacgaaang aaagatggaa ctcagtgttg ccctcaatgc aagactaaga 420

ttcagacgac acaaggggaa tcctcgtgtt 450

<210> 2619
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C7

<400> 2619

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ctggtggcgg gtttggtgtt tccgggtcgg gtaatttccc gagacctgag atgtggggag 120

gtgatcctaa tatggggttt aggccaatga tgaatgcacc aagaggaatg caaatgatgg 180

gaatgcatca tccaatgggg ataatgggta gaccaccacc atttcctttg cctttgccgt 240

tgcctgtacc gtcgaatcag aagcttagaa gtgaggaaga ggatttgaaa gatgttgagg 300

ctcttttgag taagaagtct tttaaggaga agcaacagtc taagacangt gangagttgc 360

ttgatctgat tcancgtcca accgctaaag aaaccgctac tgctgctaag tttaaaagca 420

aagganga 428

<210> 2620
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C8

<400> 2620

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gtcttgatgt ttcttggaat ttgttttccg gtgaaatccc tgatgtgttc gacgaattgc 120

ctcagttaaa gtttttctta ggtcagacca atggattcat tggaggaata cctaaatcgt 180

tggcgaattc accgagtttg aatctgctta acttgaggaa caattcttta tcgggtcgtt 240

tgatgttgaa ttgtacggcg atgattgctt tgaactctct tgatttaggt accaatagat 300

tcaatgggag gttacctgag aatctaccgg attgcaagcg gttaaagaac gttaacctcg 360

cgaggaacac cttccatgga caagtaccan agagtttcaa gaacttcgag agcttatctt 420

acttctcgtt atcgaattcg ag 442

<210> 2621
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-C9

<400> 2621

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gaagaaagaa aaaaaacacc aaaactaaag agaaatttcg ttatcactct cttgccaaaa 120

ctcacataca tataatcata tatcatcgca aaatgtcttg cctagagatt tataacaaag 180

acacgatgaa gaagaaagaa ggagaagaag aaacaagaga tgggacagtg gattactatg 240

gtcgtccctc tattcgttct aactcaggcc aatgggttgc tggcatcgtc attcttctga 300

accaggggct ggctacacta gccttctttg gagttggagt gaacttggtg ctcttcctaa 360

ctcgcgtttt gcagcagaac aacgcagacg cagctaacaa cgttagcaaa tggacangga 420

ctgtttatat ccttctcaat ggntggagcg tttctcaagc gaatcgtant ggg 473

<210> 2622
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D1

<400> 2622

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cgttacacga gatctcaccg ccgtcggatc tccggagaat gctcctgcga aaggacgtgc 180

ttcggtttac agtgaagttc aatcaagccg tattaacaac actcttcctt tgccttctgt 240

tctcaaagga gctttcaaaa tcgtcgaagg tcccgctagt tccgccgccg ggaatccaga 300

tgagatagcg aagttgtttc cgggtctata tggccagcca tcagtagcag tggttccaag 360

atnaggatgc accttcgtcg gcaccgaaat tgaagattgg tgttgttttg tctggangtc 420

angcacctgg tgggcacaat gttatttctg ga 452

<210> 2623
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D10

<400> 2623

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tcggtgaggt tagcgttccg gtgaaggagc ttttggatca gaataaaggt gacgaggaga 120

aaacggttac ttacgccgtg aggttgccta acgggaaggc gaaaggatct ctcaaattct 180

cgttcaaatt tggggaaaag tatacttatg gatcttcgag tggtcctcac gcgccggtcc 240

cttcggctat ggatcataag actatggatc agcccgtcac cgcttacccg cccggacacg 300

gtgcaccgtc tgcataccct gctcctcccg cgggtccttc ttccggatat ccaccacaag 360

gacatgacna taancacgat ggtgtttaag gatacccgca acangctgga tatccaactg 420

gaancggtgg ttatccgcca actggtgcaa aaccan 456

<210> 2624
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D2

<400> 2624

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gttcctanat tggcttcagg tgaatggagg tgaattaaga ggctgcaaca tcaaatattc 120

tgactcccta aaaggatttg gcatattcgc ttccacctcc actcaagctt ccgatgaagt 180

tttgcttgtt gttccgcttg atctggccat tacccctatg agagttcttc aggaccctct 240

cctgggccct gagtgtcaga aaatgttcga acaaggacaa gttgatgacc gctttctcat 300

gattctgttc ctcactttgg agcgtcttcg tatcaattct tcttggaagc cgtatcttga 360

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aagggactaa cttgtatcac g 441

<210> 2625
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-D3

<400> 2625

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aatatggatc cttctccgat cgctcaggga aatgacgatg acacaccggc gccggggaat 120

cagtttgccc aattcggagc tggatgtttc tggggtgtcg agctggcgtt tcagagagtc 180

ccaggggtga ctcagaccga ggctggatac acccaaggga ccgtagacaa tccttcatac 240

ggagatgttt gttctggtac cacaggccat tcggaggttg ttagggttca atatgatctt 300

aacgattgca cctatgagtc tctgcttgat ttgttctggt ctaagcatga tcccaccact 360

ttgaatcgcc agggaaatga cgtgggaacc caatacagat ctggaatata cttctacaca 420

cccgagcaag agaaactagc ccgtgagtca cttgaacgtc ancaacaaca aatggagaaa 480

<210> 2626
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E2-B8

<400> 2626

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gatggattgg cctcacgctc tgctgagtac tacaagcaag gcgctcgttt tgccaagtgg 180

aggacagtgg tgagtgttcc ctgcggtcct tcagcactgg ctgtnaagga agctgccttg 240

gggctggctc gctatgcaac catctctcaa gataatggtc ctgtccccaa ttgtggancc 300

aaaagattcc ttctgggacn gggaacaacc aatananaag actctggaag gtggcaaana 360

aagtgttgtc aaaagtgttc ctccnacttg gcaaaagaac aacgtcatgt tttgaaggga 420

attctgttna aacccaagca tggtcaac 448

<210> 2627
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-H6

<400> 2627

gctgatttac ggttaaaacg cctcttccct ctctccgacg cttctcgtcg gaaatctggg 60

tttaagtttc ttctgcagat cggaagagat tctattgaag cggcgttgac acgatttcat 120

ctataattgt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncgatcctg 180

cgccgcgaaa ccttccggtg atggaacgac gtcggacggg aacaaaaaag atgtggagga 240

agagaggaag gacggtgaag gaaagaggga agatagaaaa cgttggaaaa aattttatcc 300

naatcgttaa tgggaagcct tttgctccgg tttcaatggg anggaagccg aatgggctgc 360

ttataaggga agcaaggcgg gagattctga acaaagccgc ctgaaaattt tatcgggatc 420

tgggtgggaa agcggtgatg att 443

<210> 2628
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-H8

<400> 2628

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acagtcggaa tccaccgcta taaggaacga tgatgatctc ccaattcttc gtcttatctc 120

agcgaggaga taacatcgtc ttccgtgact accgggctga ggtacccaaa ggaagtacag 180

agacattctt ccgtaaagtc aagttctgga aggaggatgg caatgcagag gcgccaccta 240

tctttaatgt cgatggcgtg aactacttcc atgtcaaggt tgttggtcta tattttgttg 300

cgacaacgag agttaacgtg tcaacctctc ctgttttgga gcttctacaa aggantgctc 360

gtgttaataa agattancct gggggttcng aatgaanatt caatcaagga aaaaactttg 420

ggcccn 426

<210> 2629
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-A1

<400> 2629

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tcgtgttcgt aagcaaaaat ggtttgggag aaagagaaga tcgtcggaag ttgtatagtc 120

ggaggagctg cgttcgccgt cggagcttct ttccttcatc ttttccttaa aggtgagctt 180

ccgttaggat taggtttagg tttgtcttgt ccatggcgca ttttgagaaa acgaaaacct 240

gttcgcgttt acatggatgg ttgcttcgat atgatgcact atggccactg caacgctctt 300

cgtcaagctc gtgctctcgg tgaccaattg gtcgtcggtg ttgtttccga cgaagaaatt 360

atagccaaca aaggactcct gttacccccc ttcatgaaag aatgacaatg gggaaagccg 420

tnaaattggg tggatgaaat tanaaccgga tgcnccttaa gcnaataacg gaaatttcat 480

gaagaaattg ttccatgagt tccaa 505

<210> 2630
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-A2

<400> 2630

gaaaaacaaa aaactagctc atcgtcgtca tgtcgtctct gtctcctcca ccgattccaa 60

tggaactcca cgccggtaac cggaaaaagt tactagaatc aatacgccgt cagttatcta 120

gttccaatcg ttctctcgat ggatttgttc ttctacaggg tggcgaggag aaaaatcgat 180

actgtactga tcacaccgag ctcttcaggc aagagagtta ttttgcttac ttgtttggag 240

tcagagagcc agatttctat ggagctattg acattggaag tgggaaatct atccttttta 300

ttccaaggtt gcctgatgat tatgctgttt ggttgggaga agattaagcc attgccgcat 360

tttaaggaaa catatatngt tgacatggtt tccaagttgg atgagataat caagtcttta 420

atggaacaat ttaagggatt gggaaagccc ccggttgaac cccttgcaan ggccttaaaa 480

acngacagca antaacttcc caaaaacctg gcaacttt 518

<210> 2631
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-A4

<400> 2631

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tttcgtccct tcactgccat acgtgtcgat aaagatggcg gctatggcgg cgaagcttca 120

gttatcggcg aaatctgatc anagcagtgt gcgattaccg agagtgatca acctctcccg 180

cgatccaacg actagagtct cgtttccgcg aaatggatca gtttgttccc tccacaccaa 240

tttctcttct ccacatctcg cgaaaccttg cgccggaggt ggtggtggtg gaagcaccgg 300

taataacggc ggcggaaacg gaaagcggag gaagaagtgg tgggtttgga nggtcaaggg 360

gggtgaagca aagtnaaaga atccatcctc caatggggaa caantanggg ttaatcaacc 420

aaagggatgg gggatttang angtttgcaa cctgattcct caatttccct ttttaaaggg 480

tacnaaatgg gaagagattg tnagggacnt aacccccttgg ngttccccg 529

<210> 2632
<211> 561
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-A5

<400> 2632

tgttttactg cccccgtagc ggtaanaaat tcccgggtcg acccacgcgt ccgccggttt 60

ttaagcaaat aagggtatat gagtttgttg gacatgggtg gagatatgat ggaagatgat 120

tgggaatttg cgtcatcatc aaaccctaaa agaaccctag ttcttgtggg ccgtactgga 180

aacggaaaga gtgcgacagg taacagtatc cttgggagga aagcttttag gtcaagagct 240

agaactgtag gagtgacaag cacgtgcgag tcacagagag ttgttcaaga agatggtgat 300

atcattaatg ttgttgatac tcctggtttg tttgatttgt ctactgcagc tgattttatt 360

ggtaaagaga ttgtgaggtg tataagtttg gcagaagatg ggattcatgc gatcttgttg 420

gnattctctg tgaggcggct tgctgaagan gagcaaactg tgcttagttt ctgcaagcgc 480

taatccggca antangatcc ctgactaata tgattngttg gtttttaccg gtggcnaaan 540

aagttggaag aanaattgag g 561

<210> 2633
<211> 504
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-A6

<400> 2633

gatccttacg tggaatgtac atanganctc accangtcat acccttggtt acagctantc 60

aacccagcac aanccttttgg cgatattgtt attgattatc cttacgtgga atgtncatca 120

gctgctatcc aagctttgat atcatttcga aagctgtatc ctgctcatcg aancaaggaa 180

gtaaatnagt gcattgagaa ggnggttaag ttcattgaat ccattcangc agcanntggn 240

tcatggnatg gatcatgggc tgtttgcttc acgtatggta cgtggtttgg agtgaaaggg 300

ctggtanctg ttggaaaaac attgaagnac tctccacatg ttgctaaagc ttgttaattt 360

ctattgtcga aacaacaanc ttcgggcggc tggggagaaa gctatcattc atgtnnagac 420

anggtcctaa tcaaaccttg atggnaacan cttncacgtc gtgaatacag caaagggcta 480

agctccactc catggngcct ggga 504

<210> 2634
<211> 564
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-B1

<400> 2634

tncctggccc gcagcggtcc gnaaatcccg ggggcgacca acgccgtccg ctcgactctg 60

ttccaagaaa ttcctctact taatacagct gattctacag attcctgcta cgaaatttct 120

gggtctgggt tgatctttgt ctcaccaagt caacccaatt caggactttg ataaaggtgg 180

aaatggcggc tttattagct tctcagagct gctgctatgg cggtgagacc gcaagagtca 240

ccaaagctat tggtttcagt agctctttgg agaatcattt cactggggaa gccactcagt 300

gttatggcag caagtctaag agatttcgta ttgagatgag acagtcggaa ttgccctcta 360

aggttggaat caatggacgt tcagtcaaaa tggttcctgc gagtgangtg gtgaaganga 420

aagatggtgt gaatggatcg gctggggaaa aggtgttaat ggancaagtt tgggtantan 480

taagaaacat taaagggtgc cggcgtcaac tttgggttaa ggnancaaan gaaaacaaca 540

agaatccgta ccttccccca accg 564

<210> 2635
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-B3

<400> 2635

aactctctca caaagcaaaa aaaccaaacc taaacaaaaa tctagaaaga aagatttccg 60

aaaatctttt taatgaaaaa agagcagaca ggacgagaat tcgcttttct gaatccttta 120

gagtattgtt ttctccgtcg aattcgcatg aacacttgag ctcaacaaga cggcgtggaa 180

gtggacggtg aggtagtttt ttttagtttt tgaaagacat ggcgcaaaac gggtacttgg 240

ttccagcgga tccttcggcg gttgtgacgg tgaagaagaa aacgccacaa gcgtcgtggg 300

ctcttattga cgcgacggga cagagtgagc cactcgatgt tgataagtat gagatnatgc 360

accgtgtcca agattcacgc tcgcgatccc cggattctag accccaattt aaccntaacc 420

cttncaacta atccttgggc cganaagaaa agccaattgg ttcccaaant ttgggnncat 480

aatccaaagg gctaattaan caactttncc gaaaaaaggg tttttgcc 528

<210> 2636
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-B4

<400> 2636

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttatg acgtattcgt 180

cgtctctttc ggtgcctcct tctgctcctc agtctcctaa ttactccggt ggtctccgat 240

cacagtcttc tgtcttcgtt gagcaagaga agtatctttc agagttactt gcagagcgtc 300

ataagcttac tccattcctg cctgtgcttc cacatgcatt tcggctacta aaaccaaaga 360

aattttgccg tgtaaccaac actgttggga gaaatgctaa caagttttaa agtcaaaaat 420

tgggccttta accaacccta acccctcctg gncttctggg agggaaaatt tcanaaangg 480

caagaanctn ganataaatg gaatggggcc tcccaanttt ccaaca 526

<210> 2637
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-B5

<400> 2637

acgcggcccn ggtaccggtc agnaaattcc cggggtcgac ccacgcgtcc gttgtttcat 60

ttgcttcgtg tgcgatcgcg agaacaaggg aaaattaggg tttatatcct caagcttttt 120

cgaacaccat tgatcgttga tctaagattt ttcttctagt cgagtttctt aaggggcttt 180

gatcaaactc aaaattgaag accaatactt tgaaggattc tggtaaagct aagcaactat 240

gagttcaaat tcatgggctg atgtttctga atcagagagg gcaccatctg gtggtggttg 300

gggttattct cgtccgtctc gaaccaacta tgttcctcca catcttagga gccgtacacc 360

atcttcggag tttgttgctc cttcacctgg taataatgat cgtgggggat atggtggtgc 420

aaatagtggg ttatgggtgg tcgangccaa aggttatggg tgggccgaag gttccgggct 480

atggtgggta gaaggaaggt cctgttggcc nggttgggaa tgccaagaan ttgg 534

<210> 2638
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-033-Q1-E1-B6

<400> 2638

gaattcatag tgctgcttct tcttctctct gagactctca caaaatagaa acacaagatc 60

gttaaaaagc ttttagctcc agatctgtgg aaccgccata gctatggagt tttatagaag 120

ttctagaaga ttacaaattc ttggatctgt gattcttctg ctctctattc atgtcgctca 180

ctctttttac cttcctggtg ttgctcctca ggatttcgaa aagggagatg aattgaaagt 240

gaaagtaaac aagttgacat ctataaagac tcagcttcca tattcgtatt actctcttcc 300

tttttgtcgt cctaagaaga ttgtggacag tactgagaat ccttgggtga agttcttcgt 360

ggtgaccgan tcnaaaaatg ctccttaatt ccgtttaaaa tgcttgaggc gcaaatgtgt 420

aangttcncg gtcgtgttat gcctgatgca aagtctggcc aaagggttaa agagaanatg 480

gagatgantt tcgagttaac agatccttgn 510

<210> 2639
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-H3

<400> 2639

ggcaccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtgtgg 60

agaattcttt cttctcaata aacaacaaca tgtcgtcgag caatgaaaat gctaaggcac 120

aagcgccgga gaaatctgac tttacccgga gatgtagttt gctcagccgt tacttgaagg 180

agaagggtag tttcggaaac attgatcttg gcttataccg aaaacccgat tccagtctcg 240

cgttgcccgg aaaattcgat ccaccaggta cttttattat ctctttcttc tttcatggcc 300

gccacttggt aatagtactt taaaaactca gttctgttac tacttgcttt tgccagattt 360

actacttttg tattgtttcc tcaattgtaa gtcaattccc tacttcaaaa ataaattccc 420

ctgng 425

<210> 2640
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-F1

<400> 2640

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gagataatga agcggttaag gtggatttcg atgacaagct tagttgggag tatctattca 120

aggtatattg gctttgcctg aaggaagagc tgtctctaac tgttgatgag cttactagag 180

caaataatcc ttggaaggag gttcctaaca ctgctcccaa agtggagtca caaaatgatc 240

ataccaataa cagagcttta gatgtagcag taaatggaac aaaaagaaga aggaccagtg 300

attcccctac cttacccaac aagttggatg gcaaaaatcc aagtaatatc ctaaagaagg 360

ctcctggaga tacgaactgg gcaacaaaaa gaactcctcn agtttgtgt 409

<210> 2641
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-032-Q1-E1-F10

<400> 2641

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tctccggtgg tgagcaaaga tgttgtgggt cgacaagtac aggccgaaat cactcgacaa 120

ggtcatagtt catgaagata tcgcccaaaa actcaagaaa ttggtttccg agcaagattg 180

tccacatttg ctcttttatg ggccgtcagg ttctggtaag aaaaccctaa ttatggctct 240

tctcaagcag atatatgggg ccagtgcaga gaaggtgaaa gtggagaaca gggcatggaa 300

agttgatgct gggagttaga actattgatc tggagctcac tacattatca agcacaatca 360

gtggaactta cccaagttga tccaggcttt caggacagta taatggtcag gagataatta 420

aaggaatggg ca 432

<210> 2642
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-032-Q1-E1-F11

<400> 2642

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gatgccagca acggaatatc aaagatcatt cgggaggtct tttctgaatt tacggcgaga 120

cacggcggtg aactcggttg agtcaacgac ggttaccccc gagttgactc agatggaagc 180

agagcttgtt tcgtttcaga gaaaagttgc tgagaggttt atcgatctca atgcgtctag 240

ttgtgaagat ctactgtctc tcgaatgggt tgggaagctt cttgattcgt ttctatcttg 300

tcaagaagag tttcgttcca tagtcatcaa tcatcgttcg atgattacta aaccaccgat 360

ggatcgattg gttcagatta cttcgagaga agtgttaaag ctcttgatgt tgtaacgcca 420

atcgtgatgg 430

<210> 2643
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-F3

<400> 2643

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ttcggtcttc ttcaattttc accgacacaa acccgtcttt tcctcttctc tctcatttct 120

atcaattttt ctctacaatt ccccagtcgt cgaagaagct acagcttgca atttgctcgt 180

gttctcttcc atcattcctt tgttaagagc ctcttcatgg cttctacggt tgattccaat 240

ttcttctcat ccgtcccagc tcttcacagt aacctcggac ttttgtctcc tgatcagatc 300

gaactggcga agatcttatt agaaaatggt cagagtcatc tcttccaaca atgggcctga 360

actcggtgtt gatgataaag agaagctagc ttttttcgat nagattgctc gctaaaatca 420

agct 424

<210> 2644
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-F4

<400> 2644

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tgtgattgtg attgtgattg tgattgtgat tgtgagggaa ttatggctca agccgtagaa 120

gagtggtaca agcagatgcc gattataacc cggtcgtatc tcacggcggc tgtagtcacc 180

accgtcgggt gttcgctcga gattatatct ccttataatc tctacctaaa tcctaccctt 240

gtggtgaagc aataccagtt ctggcgtctt gtcacaaatt tcctttattt ccgaaagatg 300

gatttggact ttttgttcca tatgtttttt ctagctcgat actgcaaact gctcgaanaa 360

aactccttca aggggaaaga ccgcngattt cccttanatg cccctaatcg ggggaant 418

<210> 2645
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-F9

<400> 2645

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actatctcga caactttctc ggcgaaccca cttctcgctc cggtagtttt caaagcgaga 180

gcttactcgg tggaggcggt ggagaaagca tcaacgacgc tgattttgga ttcgctcgtc 240

ctgatttccg atcggaacaa ctagctggaa ccgtacagtt ttacgagagg catgtcttct 300

tgtgctacaa aaagccatct gtttggccgc aaggatcgag gctgctgagt tcgattgatt 360

gcctangcta ctctctgctg ctgtatcggg caaaaagggt aacatgaaga angagactcg 420

actcacaa 428

<210> 2646
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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G10

<400> 2646

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atcaaagcaa tggagcagaa cttgatgatt acacacagtt tggtgtaaat ttgcagactg 120

atcaagagga tacctttcca gattttgtgt catatggtgt gaatttgcag caggagccag 180

atgaagtctt tagtattgga gcttctcaat tggatttgtc ctcgtataat ggagttttgt 240

cgctagagcc agaacaggtg gggcaacaag attgnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncna 360

ttgctccaga aagcgggcaa ggactggntc ntgtancaga ggaggaggaa ctaaanctgt 420

cgtga 425

<210> 2647
<211> 229
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G3

<400> 2647

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ctcagtgatg ggaagttttg taggtttgtg tggttttaac ttaatgataa ggtgtttgtt 120

tgtagtagta gtctccatgt aactanatgg gggaaaagta tgtgtgactt taagtttctt 180

aaaagctcaa agaaacttta nccccttaaaa aaaannanaa aaaagggcg 229

<210> 2648
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G5

<400> 2648

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gggagtcaac ggtgatctag tcaccatatc atggatggcg tcgaagggag ctaaccaaac 120

ggagcactat ctcaaagaag aagtaggagg aaccgttttt ttcgccttcc gagcatcttt 180

ctcgtcggaa gatttgttcg ctacggagaa tacatctccc tttggagaaa taaagatgaa 240

ncgtaatcaa tttccttgta tgagaagcat cggcaacgac gttgacacta ctgttaacga 300

agctttcctc aagtcacttg aagttctcat tggtccaaga acctcatttc atgcttctgt 360

gcaaaacgcg gttgatagaa aacaacaagt tgtgttcaca aggacattcc ttccgaggcg 420

caa 423

<210> 2649
<211> 468
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G6

<400> 2649

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acttcaccgt gaagaagctg atcaagaaga ggaaaggact gacgccgcgc gagaagacgg 120

cgcttcatga ctgtttggag actattgatg agacgctgga cgagctccat gaaacggtgg 180

aagatctcca tttgtatcca accaaaaaaa ctctccggga acacgccgga gatctcaaaa 240

cactaattag ctccgccatt accaaccagg agacttgtct cgacggcttc tctcatgacg 300

acgccgataa gcaagttcgt aaagccttgt tgaaggggca gatacacgta gagcacatgt 360

gcagcaacgc tctagcaatg atcaagaaca tgactgatac tgacatagcc aacttcgagc 420

aaaaagctaa aataacctca aacaancgtt agctcaaggn ggagaatc 468

<210> 2650
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G7

<400> 2650

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gacagtctac tgagtggaca atacaagttg atccgaaatt ccatgaaggt gcaagtaatt 120

taaaggaact tgtccctttc gaggaatgtc ttgagttgca ctccacagat gaaggagttg 180

tacgggttcc tgactatctc cttctcacta ataatggacg tggcttcaac gttgttgtgg 240

atcccacaaa tcttggggat ggtgtgcatt actttgaagt ttatgggatt gattgcaaag 300

caccagancg tggtcccctt ttcagaatcc cantnacaat aataattccc aaagactgtt 360

ggcaaatcaa cctccagtta attcaatttc ancaaatgtc ttcatctcaa ggcan 415

<210> 2651
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G8

<400> 2651

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caagaaccct agaattcgcc tcctctttcc aaaattccca atttttgtaa tgacgggata 120

gaaaaattcc caatgtccgc tttatctttc attctcgatt agaattcttc aaccaaaggt 180

cactctctct ccgttccatt gcttctggat ttcgttttta agggttttac atttttcctg 240

ccttctttta cccatcagag gaagtttcaa gccattttgt taatcagctc tctcataagc 300

taagatgtcg tcatcgcctt ttccagtctt ggacaaccga ccaattgata agtggaaggt 360

tacggaattg aaagaagagc ttaaaagacg gagactaaca acaagaggct tgaagggagg 420

aattggttag gcgtcttgat gaagcacttc gtgctgagca agaagaatct gaaan 475

<210> 2652
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-G9

<400> 2652

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atgtagctga tggaatcatt cctgtaactg atcctacctc taatctatct gtttcctctt 120

acacttcttt tctcactttg gatcactgag taactctcac atgttgtaca ggaaccgctt 180

ggaggggccc atgccgatcc ttcatggacg tcgcagcaaa taaagattgc tatcaatgaa 240

aacatgaatg taggcatagt tgttcttctc aacgctggat gtggatctaa aagagttcta 300

actttttttt gggaacttgt aggaattcgg aaaaatgagt ggggaggagc tcctgaaaca 360

caggatggct aaagtaccga aagattggag tgttcataga nggcgaanca atnagagcca 420

agttaggaaa atcaac 436

<210> 2653
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-H11

<400> 2653

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gttttgntct cactttcacc agtgaccgga gaatcaccta aaatttcacg gcgccgggtg 120

attttagcca naagtatagg atctcctcag cctttacttg angcanagat caaggaacct 180

canaancttc aagtccttga ttccaaagat gtttccagaa gaaacactat gctgtatcta 240

gctgctggat ttcttggagg gatcaacttt ctcaatggtg aagccgcaga agctcgagta 300

gggagaaagg gagancagaa nganagcatt ggagaagctg atggccaaag ctaaagagtc 360

anagcccaac aacaagtcag gtanccaaaa agatagagaa agagttagag aaagaagaan 420

tgtttcctct acttcct 437

<210> 2654
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-H2

<400> 2654

cccgncccag gtccaagaat naacgggtcg anccacgcgt ccgcccacgc gtccgaaaaa 60

agagaaggca tggccgcgga agaagcgacg gagttctacc tgagatacta tgtcggtcac 120

aaagggaaat ttggacacga gttcctggag ttcgagttta gagaggacgg taagctccgt 180

tacgccaata actctaacta caagaacgat actattatcc gcaaggaggt atttctcacc 240

cccgccgtgc tcaaggaatg caagcgtatc gtctccgaga gcgagattct gaaagaagac 300

gataacaatt ggccggaacc tgaccgtgtt ggaaagcaag agctcgagat cgtcttgggt 360

aatgagcata tctcattcgc tacatctaag attgggatct cntgttgatt gccaaagcag 420

taatgattct gaaaggactt cgcatccntc naataaccct gttaaggngc tt 472

<210> 2655
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E7

<400> 2655

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ctttatctga atttgaccat tttctcttca tttctccgac taatttccct tcatttcgat 120

ctttaagcat ctgggtatct ccctttctcc atctattcat cggaatttgc gcttagattt 180

tgaatatttt gaagcttttt ttgggataga ggagattgaa aatggggaaa tctggaggaa 240

ggaagaagaa gagtggtggt tcgaattcga attcgagtca agtcaattca tctgaaactt 300

caggattatc caaaccgtca acgattgtta atggtggtgt tgattcgtgc ttcgatattc 360

ctgaaacgtg cacatgagct taagggaaga aggnaataaa aaagttcaaa gcaag 415

<210> 2656
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-D10

<400> 2656

ggactatgtt gaagctgctg ttaaacaggc aatgacgatt cacataacaa gcccacctgg 60

ggacattctc atttttatga ccgggcaaga tgagattgag gcagcgtgct tttcactaaa 120

ggagagaatg gaacagctcg tatcatcttc cagtagagaa ataacgaacc tactcattct 180

cccaatatac tctcagttac ctgctgactt gcaagcaaag atattccaga aaccagaaga 240

tggagcccgt aaatgcattg ttgccaccaa tattgctgaa acatcattga cagtcgatgg 300

aatatattat gtgattgaca ctgggtatgg gaaagatgaa gggtttcaat ccctaagaat 360

ggggtangga tgccccttca aagttttccc cataaagtcc gtgcaancct cctgatta 418

<210> 2657
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-D11

<400> 2657

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gtcgaaaaat ccaaccggag atcaaatggc actgccgtcg atctcatcaa tcggcgcgac 120

gttctcactc ctaatctatt tatctcttcc ttattcaatc acagctggtg aaaacaacct 180

cctccaccaa tctccaaccg ctagatcacg acgtcccatg gtgttcccat tgttcctctc 240

tcaaccaaat tcttcttcga gatccatatc aatcccacat cgaaaactcc acaaatccga 300

ctcaaaatca cttcctcact ctcgcatgag actctacgac gatcttctta ttaatggggt 360

attacactac gaggctttgg attgggtaca caacacaaat gtttgctcnt aaagttgatt 420

ctggtaagta ctgg 434

<210> 2658
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-D2

<400> 2658

gggagaattc accaaggacg agaacgatgc taacaaactt aaccgcattc ttcaactcac 60

aggattcagt gacccagtct atgctgaagc atatgtgacg gtacaccatt atgatattgc 120

tcttgaagtt acagtaatca accgaaccaa ggaaaccctt cagaacttgt gcttggagtt 180

agcaaccatg ggtgatctca aacttgttga gcgtcctcag aactacagtc tggcacctga 240

aagaagcatg cagattaaag caaacatcaa ggtgtcgtcc acagagacgg gagtcatatt 300

cgggaacatc gtctatgaga catcaaatgt aatggagcga aacgtcgttg ttcttaatga 360

catacacatt gatatcatgg gactatatct cccctgctgt gtgttcaaaa ggtgcttnaa 420

aaaa 424

<210> 2659
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-D7

<400> 2659

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cagatctgat gaagacatgt ttgaagcgat tggtaatgcg atgtcgaaaa ggttactctg 120

tgataatgct ctagtctttg catgcacagt tgggcaaaag ccaagcaagg ctaaatacta 180

cttggacgat actactgaag tgacatgcat gcttgaatct ctagctgaag catcagaggc 240

ttcaaacttt tctatgcgtg aacttgatga agccctttga tttggaacca gatcttttgc 300

cagatggcta aagaagaggt tagacagaca aagacaagga atagaaagag actggggaat 360

tttgttggtc tgtatgtgtt tgtcagattt gaaaagaaag aaaagaanaa a 411

<210> 2660
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-D8

<400> 2660

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tttagaaata cttgtgtgat atcttctgag taaccaaatt cttgataaag tttctagctt 120

tattcaaacc catttgaaaa atccggtggt gaatcgccgg agaaatgtgt ttttcgtttc 180

tccactgagt tttttttgtt aagaaatctg ttaaaactct agatttcaaa cgaatgacat 240

tttctgagat tgaggaacat tgtgaatcga ggactggagt gaagattctc tgatgagtga 300

ttcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnntc tgcgtttcgg tgaagaagta n 401

<210> 2661
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-032-Q1-E1-D9

<400> 2661

gctcatgtca ctgatcgtct cggaggagaa gaagtgtgga ggttgaagaa gggagaaaat 60

gagcggtcat gattctaaat atttttcgac tacgaagaag ggagagatcc ctgagctcaa 120

ggaagagctg aattcacagt acaaggataa gaggaaagat gctgttaaga aggttattgc 180

ggcaatgact gttggaaagg atgtttcatc acttttcact gatgtagtca attgcatgca 240

aactgagaat ctggagttga agaagcttgt ttacttgtat ctgataaact atgcaaaaag 300

ccagccagat cttgctatcc tcgctgtaaa tacttttgtt aaggattcac aagacccaaa 360

tccattgatc cgggctttgg ctgttccgaa catgggctgt atccgtgttg ataagattac 420

agaataattg gggtgatcc 439

<210> 2662
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E1

<400> 2662

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caagttctcg ctatcgccga gccggagccg gagtctgagc tgaagccctg tatctgtaac 120

tcttccaaca gtggacatac cttgagagat gaagatcgtt cgcagggatt ttgttcgtaa 180

tggacccgga agcgttaaga tggtggcaga ggactctgat gatctctggt atgcttataa 240

cttgattgct gtgggcgata gtgtaatggc tgtcactttc agaaaagttc agagagagat 300

acctggtggg ggaagagact ctgaacgtgt taaactgaag ctggaagtac aagttgagga 360

agtggactat gacaaanacg gatntgtttt gcgcatacgt ggnaaaaata acctg 415

<210> 2663
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E10

<400> 2663

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tttggccttt gggtttgctt tgccttttat ctccacaata ataatattcg ttaacctctc 120

ctcgttctcg tcgctgtttc ttcccgatct ttgctatagt tctggattca aaatctttct 180

tccccaatag atgtttgtct cttaattttt gatttttctg caaaatcaaa tttttaagag 240

ctatggagga agagaatgtt actagttcac cttcaacacc ggtacatagg cttaggcatc 300

gaagacgttc taatgaggtt gttacggatg gggataaagt gaaatgcaag ttcctttgtt 360

ggntaatgat cnggaataag tacaaatcct tcaatgggcc gggactacnc caacggtaan 420

ggatgaattg gggggttt 438

<210> 2664
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E11

<400> 2664

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ggggtaattc ggcagctctc ttttgtatca atgagaaagg tcttgacttt gagcttgtct 120

tcgtagattg gcttgctggt gaagccaaaa ccaaaacttt tctctctact ctcaacccat 180

ttggtgaagt cccggttctt gaagatggag atctcaaact tttcgaacca aaggcgatca 240

cgcgatacct agccgagcaa tacaaagacg ttggaacaaa tctattacca gatgatccca 300

aaaagagagc aatcatgtcg atgtggatgg aagtagatag caatcaattt cttcccatan 360

catcaacact catcaaagaa ctcatcatca atccatatca aaggttaacc acagacgata 420

caacaagttc aaggaagaac 440

<210> 2665
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E12

<400> 2665

cggggaattt gagtatcgtg agaagcctga cacatgttgc cctaaatgca gtgagccaca 60

gacctctgat atgtccacaa gtccaaatga gcttatatta cttgtaaggt ttgtgcaaac 120

acttctatca gaccgatcgt cggaaagaaa aagtaactta gagtctggca atgataagct 180

gttgacgaaa ctgaaagctg atgatgatca atggagacat gtcataggaa cgatcataga 240

tggcagtgca tcatcaacaa gtacagttga ttggcttcta caggaactgc ttaaagacaa 300

gctggataca tggctgtctt caagatcatg tgatgaagat tacataacgt gttctttgtc 360

aaagcangaa caaggtatta tccatatggt tgcaaggctt ggcttcgaat gggcatttta 420

t 421

<210> 2666
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E2

<400> 2666

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gggtgaagcc gtagaggtca tgttcggaaa tgggttcccg gagattcaca aagccacatc 120

acccactcaa accctccact ctaaccagca agactgccat tggtatgaag aaaccatcga 180

tgatgatctc aagtggtctt ttgccctcaa cagtgttctc catcaaggaa ctagtgagta 240

ccaagatatt gctctgttgg acaccaaacg ttttggaaag gtgcttgtga ttgatgggaa 300

aatgcaaagt gctgagagag atgagtttat ctaccaatga atgtttgatt caacccgctc 360

tccttttcca atccaaagtt atgcacttaa tttacntcac ttacaaataa aattttgg 418

<210> 2667
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E3

<400> 2667

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aaaacgttgg aggaggacac tcagacagga acaatgattg ttcagtggag aaaaaagttt 120

ccttttttttc tgtagtgacc gagagtatat cattggccgg agaatatggg agtctgggaa 180

gaagtattat tgtgtcacaa agggagttcc ttatccagct ctaccaaagc gtgataagcc 240

aaggcgtgtt gagctttatt tctcaagttg ggttatcana ncggttgaat cccgaaaagg 300

agatggacag caaacggctt gtgaagtttc ccttgtccac tacgaaagac atggggcatc 360

ccaaaagacg tagcaanagt taggtgtccg tcatggcatg tngggaactg tcaanaagct 420

aaactccg 428

<210> 2668
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E4

<400> 2668

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atcagaaagc tgttgtagca gccaaagaga ctctggattc ttctttgtca ttgcttctca 180

gacaagacaa cccctggatg acatttctcg aagaccatgt attcgaatca gaagaatatt 240

tattccttga attgcatgca actgcgatgc tctgtttgcc ttctggtgaa tgtctgcgcc 300

cagatgccac tgtttgtgct gcactaatga gtgcacttta ctcttctgtc agtgaggaag 360

ttgttttaga tcccagttaa tgggtaaatg tatccatttc gtcaaaggga na 412

<210> 2669
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E5

<400> 2669

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gctgcttttg ctcctgacca tcgtcgcctc tccancaaat gcagatggac ctgtttgccc 120

gccgtcgaac aaactaagcc gggcaagttt ccctgaaggt tttttatttg gcacggctac 180

tgcggcatac caggtcaaan gtgcgattaa tgaaacttgt cgtggaccag ccttatggga 240

catctactgt agaanatatc cagagangtg caataacnat aacggcgatg tggccgttga 300

attcttccaa cgttataang aanatatcca actaatgaaa aatccaaaac acangacgcc 360

cttanaaatg tctaatcgca agggccaaag aataatttcc tcaatgggaa aaaaagggga 420

aaang 425

<210> 2670
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-E6

<400> 2670

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ttcttcttgg ctcaccgctg taaagcgagc tttccgatct ccgacgaaga aagatcatag 120

taatgacgtc gaagaagatg aagaaaagaa gagagagaag agacggtggt ttagaaaacc 180

ggcgactcaa gaatctccgg tgaagtcttc cggtatctct ccaccagcac ctcaggaaga 240

ttcacttaac gtaaactcaa aacctctcc ggagacagca ccgagttacg caactacgac 300

gccgccatcc aacgccggta aacccccgtc cgccgtagtc cccatcgcca cgtcagcatc 360

taagacactc gcaccgangc ggtttattac gcaagagaaa attacgctgn t 411

<210> 2671
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-032-Q1-E1-D1

<400> 2671

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tcaaactctt cggatctcac gaccaagtca agtctcggaa tgtcgtcgtt taccaacatg 120

tatctcctca caacgcttca agcccttgcg gccctttgct tcttgatgat tctcaacaaa 180

ataaagtcat cttcacgaaa caagaagttg catcctctcc cgccaggacc caccggtttt 240

ccaattgttg gaatgattcc ggcgatgctt aaaaaccgtc cagttttccg gtggctccac 300

agcctcatga aggagcttaa cacggagata gcttgtgtgc gtctaagaaa cactcacgtg 360

attcctgtga catgtcctaa gattgcacgt gagatnntca agcaacaaga cgcatccttg 420

ggtn 424

<210> 2672
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-G6

<400> 2672

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agtcggcggc cgccctttt ttttttttt ggagttagaa tgctatgaat tccaaaccag 120

agaagattca aataaaacag agactaaaaa ggctgttcaa acagtagtaa ttcttgcaca 180

tgaacactaa accagaacga taacaggaaa caaagataca gtcagtactc agtagtttga 240

gggcacctac ggaaagcaag taatactaca gagggtagac gttccagtgc ttaatgatga 300

aacatcatca gtacaagcaa acgtgttttt catcatacac cgtatcactt tcacaagtgg 360

ctgcagtcat tccgcaacat aanggagatt gacntcgaga agcagcatca actttgcgca 420

aagggacaag ggtaccaaga gatggggaac tcncattgna annccttca ngggaaatcc 480

ccttaaaang gggagg 496

<210> 2673
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-H10

<400> 2673

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cctgatttct tcttgggaga tcagttaact agccaggttc aagcgattcg aagcatcgag 120

ttctatatat gttactatgg ttggggagac ttcagacaca gaaaaagcac ttgcaaagaa 180

tctgatgtct acaacacttt cttcttcatt gttgctgtca tcccttatgt ctctcgcctc 240

cttcagtgcc tgcgacggct gtttgaggaa aaaaacccgg aacaagggta caacggactc 300

aagtatttct tgactatagt ggcggtttgc ttgagaacgg cttacagtat ccaaaaaggt 360

caagtcgctt gggaggggtt taactggctg tcctcccaat tatagctgca atattcctgg 420

tcttactggg gacttgtcca aggattgggg gccttcnaaa ccgggcatcc aaaaaccgtg 480

cttcnaagat aaactccctg gtcctcaaaa gaaagtntac ctcaaagcga tg 532

<210> 2674
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-H11

<400> 2674

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ctaatggcag agagaatgat tggatgggtc aagccagggg gatacatttt cttcagagaa 180

tcttgcttcc atcaatctgg ggacagcaag cgaaagtcaa accccactca ctaccgtgaa 240

cccagattct acacaaaggt tttccaggaa tgtcagacac gtgatgcttc tggcaatt:a 300

tttgagctct ctatggttgg ctgcaaatgc attggggctt atgtgaagaa caagaagaat 360

cagnatcaga tttgctggga tatggcaaaa atcagcgtgg ngaatgacaa ggatt' ac 420

cgttccttgg acaatgttca aatacaatcc nattgggatt cttccnnaag aacgtgtcct 480

ttgggnaagn attgtnanca ctgggnggat tnggaacact aaagaat 527

<210> 2675
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-H12

<400> 2675

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gaagttggtg aaacacaggc cgtggaaaaa gaaaaccttt tggttggtga agctcatcct 180

gctatccctc acggtcattc tccttcatct tcatcttctt catttaacat ggtcgacttc 240

ccaagcatgc ctgctgttga ggtcttgtct ggtggttctt catctactac aaaagacgtg 300

ccagttcctc ttcaggagga tatagaaaag aatgacgtgg agataaccat gctcaaagga 360

ctcnaggaaa tgggtttcaa aggagatana nttgaacaaa ggagatctna aggataacga 420

ntncaacctg gagcaatccg ttgatgcncc ttgtggantt ancgantggg atcaatccta 480

aagganctca ggagatgg 498

<210> 2676
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-H2

<400> 2676

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cggtaacgga ttttcacaat cccggcggcg aaactcttct tcccggctaa gttttcattt 120

tcttcagatt cctcgtaaag ttgccggtgg accaaggtcc aactcttgaa caccccaaat 180

catgaatccc ttttcttctg gtactcgttt aagggacatg atccgtgcca taagagcatg 240

caaaacagct gcggaggagc gagctgttgt aagaaaggag tgtgccgata ttcgagcatt 300

gattaatgaa gatgacccgc atgatcggca ccggaacctt gcgaaactca tgtttataca 360

catgccnggg ttatcccaan acaactttgg ggcaanatgg aattgcttgn aagctaaatt 420

gaatcncccg gaatttcc 438

<210> 2677
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-H3

<400> 2677

gccacggtca cncataattc gccggtcgac gagctcanta atcggcggcc gccctttttt 60

ttttttttg gagttagaat gctatgaatt ccaaaccaga gaagattcaa ataaaacaga 120

gactaaaaag gctgttcaaa cagtaataat tcttgcacat gaacactaaa ccagaacgat 180

aacaggaaac aaagatacag tcagtactca gtagtttgag ggcacctacg gaaagcaagt 240

aatactacag agggtagacg ttccagtgct taatgatgaa acatcatcag tacaagcaaa 300

cgtgtttttc atcatacacc gtatcacttt cacaagtggc tgcagtcatt ccgcancata 360

aggagattga cttcnagaan caacatcaac tttgcgcaaa aggagcaagg ctaacaagga 420

anatggggga cccccaattg cnacgccttc aaggagaact cnccttaaaa gggaaaggcc 480

tt 482

<210> 2678
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-H7

<400> 2678

ggagatttat acaacaaatc gacatagcaa caagcgagca tctcaaatct gtctccttcc 60

aaggcgttgt agacgtcaaa gatactagtg gaagagtata attaataaga cctaagtcca 120

tctagttgac gcgatcaaat gtctacctta atcacttttc ttttttgata aggtttatat 180

cttgttttta ttaatgcagt tgatattgga acaaatgatc ctgatgatca taagtaacat 240

caaacctgag actaagagca aactgataga gagttttaga gatttcagct ttgatttggt 300

taggtcccct tttgatcctt ctttttggaa cgctctttac aatggtctta tggcacgcag 360

caatgtgatg aagatgctaa aaagaatgtt caaagagang agagaagaag caacatcgga 420

tgaccaaaat atgggg 436

<210> 2679
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-A1

<400> 2679

gaaactttga agcttcttac tttctttact tcacgatcct tcttttgcct aatttctcgg 60

tttcatttcc aaaattctct tttgattctt tcttactctt tcgctagaga agatttagac 120

tgggttttga gtatttctcg gaaattttcg tgtnnttttt ttctgggaaa gtttccgaga 180

tctcggtgga gtacgttttt tggcgacgaa ccagtatggt ttggtactca agctgtagaa 240

ttttgtttct gggtctgctt attttgttgg cttcganctg ggttttggat aaagccaagg 300

aatttggnaa atttgggttg gaattccaca atttccncgn ttaaaggtgg tngggntttg 360

gcnggagaaa gggttaacca anccnnattc ttccaaatan tataca 406

<210> 2680
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-A12

<400> 2680

gcataattgt ctcacccgag cttcctctcc agctagggtt tgtttgtttg attgaagaaa 60

gaaaacaaga atggtgtatt tcaatttcaa taggattaag angaanaaga ctctaattgg 120

atttggattg ggacagatcc tctcgcttct ctcgacttct cttagcttta catcgtctga 180

gatcgctatg aaaagatttt agctttttt ttttttcaa accatcccat ttttaaacat 240

tctcatgaac ttacaaaatt tgaaatcttt atagggatta atgctccaac atcacagtcg 300

tttctgggtt atntgttact ggnaatcgtc tatggaggta tcatgctcta tcgaacatng 360

gaattaaatg gtatcactat ctcctccttg cgtttgttga tgttgnggcn aactttctcg 420

tgggaaaggc tatcaga 437

<210> 2681
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-A5

<400> 2681

ggacagaagt ggagatcaaa gcttcggctg gacagtttca tcacatgttt gccgggaagc 60

cacaccatgt ctccaaagca agtccaggca acattcagag ctgtgatctg cacgaangcg 120

actggggcac tgtcggctct atcgtcttct ggaattacgt tcacgatggg gangcaaang 180

tggcgaagga gagaatcgag gcggtggagc cggagaagaa cttgatcacg tttaaggtta 240

tagaaggtga tctgatgaaa agagtacaaa gaacttttg atnacgattc aagtgacccc 300

taaacatggg aaggcctgga aattattgtg caatgggaac cttgagtnat ganaaaatca 360

acgacnangt tactcaaccc caaactcccc tccaattccg tgttgaagtc tcccaagana 420

ttcaacaaca tctccttatc ccaaggaana 450

<210> 2682
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-A6

<400> 2682

gggaacttag gtttcgcggt ttggataacc ggagacttgg tgatctcaag ccatccaacc 60

tcgaagagac tttcggatca tatgactcag cttctgtgat gcaacttcaa tcaccaagca 120

ggcattctca gatgaaccac tatccgtctt cacctgtgag gcagcctcct cctcatggat 180

tcgaatcttc agcagccatg gcagctgcag tgatgaatgc aagatcctca gcgtttgcga 240

aacgcagctt gagtttcaaa ccagctccag tagcttctaa tgtctccgat tggggatcac 300

caaatgggaa gcttgagtgg ggaatgcaaa gagatgagct gaacaagttg aggagaattg 360

cctcctncgg naatcaaggg aaccaacaac aacaagtgng ncagncctgg cnaaaaacnc 420

agtggacnaa ccaaaatgtt tccttggtna actcaccggg tgaaaa 466

<210> 2683
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-031-Q1-E1-A8

<400> 2683

gcctattaat cggtactgtg ttttcttctg tgatcgtgag attagaaaat ctacccaaat 60

ttttgatttt gcgataaggg tttttcttaa tttcgtctac ggatatagaa aatgtcttcc 120

atcaatttat cctcatcatc tccttccacc atctctcttt cncgctcang actaagccaa 180

agctctacta cantactcca tggactacat cgtgttactt taccatctaa ccatccattg 240

tcaacctttt ccattaacac caatactggg aaaaagttaa gggctgcaag tgatctctaa 300

aanaaagatt gatctggctc ncaattcaac aaacgggana caatnctcct cctcaaaaat 360

gggcccctca attgatgatn ngggncnnaa agaagccaat aanaaggcng aattnggttt 420

caacnttggn acaacgtggc aggctgaatc ctggctcccg ggnacaagcn aaatgggttt 480

tgttgccgaa anatta 496

<210> 2684
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-G4

<400> 2684

anaaaaatgg agtataggtt tcatatctct cgcttttctc ttcatcactt cctcttcagc 60

tgagttcatc attcaacagg tcacaaaggg cagaggaata gagtacaaca gttcttacag 120

tctcgaggag aatcttggag tgacaagaga gttgagagaa gagcgaccat cgagtaagat 180

agtgacaata acaagcttct cagtgattaa aggcagagga gaaccctatg aatcctctgt 240

ttttgaggct gctggttaca aatggagatt ggttttgtac gtgaatggta ataaaaacga 300

cggtggaaat gatcatattt ccctttacgc aaggatcgaa gagacaaact ctcttccatt 360

aggttgggaa attgaatgtt gatntcaaan tccttgtcca anaatgggga aac 413

<210> 2685
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-E11

<400> 2685

gcgtatcgaa aatcttcttc gggtcagacg atctgaagcc gatcgctgta gaatcagttt 60

cgtgctccgc agtttctcga gtttcctctc acttcagatc ttcataagag aattcactta 120

cggagaggga ctttttcgta gacgattctc actggatatc tatcacccgg taagatcgtc 180

ttgctcgaaa agaattgaaa agtttttaag taattgaata aggaactgtg aatcggagag 240

gcttactttt ttgaaaagat ctaaaccatc gtagaagatc gtcctcaaaa tatctcacaa 300

gaagttacca attttgaaaa gatnactaag agatagctac ggattttgag aaggcgggtt 360

ctggtccaan gtccggnact ggtgaaaagn agaactacac tgggtttttc caagatgata 420

tgaaancttc cgtngaacga atccgantcn aaggnactca tcnaagagaa tccggggatt 480

gtnttga 487

<210> 2686
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-E12

<400> 2686

gttgcctgnc ctacggcccg gaatcccgaa tcgacccacg cgtccgccca ngcgtccgaa 60

atcgtgtcaa attttagggt ttttttcttt cgtacttcat caaattctgg aatctggttt 120

tttcttagtt ttcttctata tacctttgaa tcgcatcttt gatccaaatt cattttagat 180

atcaccttga agtcgaattt gtgatttttt cttttcctct cgaattctca aagtctcacg 240

caactatgaa agaagacatg gaagtactat cgctcgcttc actaccggtt gggttcagat 300

ttagtccaac ggacgaagag ttagtccggt actatctccg gctcaagatc aacggtcacg 360

ataacgacgt tagagtaatt cgtgagatcg aaaacctgaa aatggaancc tgggaatttg 420

ccgaattttc cggnggtgaa gacaacaaga nccnaaatgg gtcctccttt ggnccttggg 480

cccgggaata tccgnatggg aatccnaatg gaataaa 517

<210> 2687
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-E2

<400> 2687

agaagaaaaa aaatcatgga gatgaccgaa gcttccaaac agacaacagc agaaggatca 60

gcaaatccag aaccagacca aatcttgagt ccgagaagat cgttggagct aaaacaaaag 120

aaatggtgga tctctgtttc tttatgtatt ttcttagtct tgctcggaga ttctctagtc 180

atgcttctct tgaacttctt ctatgttcaa gacaatcgag aagatagtga ccaagatcta 240

caataccgag gaacatggtt gcaagctctg gtccaaaacg ctgcgtttcc actactcatt 300

cctctgtttt tcattttccc ttcaacaaaa caaaaccaan gaaaccacca atactcgttt 360

ctccccttt cgtccaatct tacttaaatc nccctggggg tcctgttgcc ggtcanagaa 420

a 421

<210> 2688
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-E7

<400> 2688

ccntcggtac cgaacacaaa ttcgcgggtc gacccacgcg tccagtgatg gaggcaataa 60

ggattagttg tgctggctat cctactagga aacattttga tgagttcttg gccagatttg 120

gtattcttgc tccagaagtg ttggtaaaga actctgatga ccctgctgct tgcaagaagc 180

ttctggacaa agtgggactc gaagggtatc agattggcaa gacgaaagtt tttctgcggg 240

ctggacaaat ggctgacttg gatacccgaa ggactgaggt cttgggaaga tcagcaagca 300

ttattcagag aaaagttcgg tcatatctcg ctaaaaagag tttcatcgtt ctgcgtaatt 360

ctgctaaaca gattcagtca gtttgcagag gttatctcgc tagaagtgta tatnaaaggc 420

atgcgttagg gaanctgctg ctttaaaatc cagagagact tgcgtaggtt tcnggct 477

<210> 2689
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-E9

<400> 2689

gcttgaangg acaaatatag tcttgctgct gtgacaaatg atatattcac gaaagaggat 60

ggtgagtttc tggtgaagaa tggggctctt cctgaggaaa ggattagagc tgttgaaaca 120

ggtggatgtc cacacgctgc tatccgtgaa gatatcagta tcaatttggg tcctcttgag 180

gagttatcta acttattcaa ggctgatttg cttctttgtg aatccggtgg agataattta 240

actgctaatt tcagtanaga actanctgac aatatcacca catcaaccga tgtatccggc 300

tgggtgataa aataccccgt aaaggcggcc ctggaatcac tcaagctgat cttccnggtg 360

ataaccaaga ctgaccttgc ancaactgtt ggggctgant nttcggccnn ggnaagggnt 420

tcctngncnt nctttntggg gggccatttt ccttngccca gggttaacca tgggt 475

<210> 2690
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-F1

<400> 2690

gcngttgcca ttcaaggaga cactaatggt gctcttactt tgaatcttaa tggtgaaagt 60

gatggccttt ttcctgccaa gaagaccaaa tccggagccg tttgtcaggt cgaaaactgt 120

gaagctgatc ttagtaaagt taaggattat catagacgcc ataaggtctg tgagatgcat 180

tccaaggcta ctagtgccac tgtcggaggt atcttgcagc gcttttgtca gcaatgtant 240

aggttccatc ttcttcagga gtttgatgaa ggaaagagaa gttgtcgtag acgtttggct 300

ggccataata aacgtcggag gaaaacaaat cccgaacctg gcgctaacgg gaatcctagt 360

gatgatcact caagcaacta tctcctgata ctctccttga agataccctc aatatgcata 420

accataccng tgattaa 437

<210> 2691
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-F10

<400> 2691

cctggnccta ccggcccgga natcccggag tcgacccacg cgtccgccca agcgtccgaa 60

gaaatcatcg tcttcttctt catctattnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncttgc ccgttctgtg cagaatcgta 300

tgatatcatc gggttgtgct gtcacataga tgatgaacat actttagagt cgaagaacgc 360

cggtatgccc tgttgttccn cttaaagtgg gagttgataa ccgtagcaca cataacgctt 420

caacaaggga atttanttaa gttgcagcga aagagaaagt cacgaaaaag cggtaccaat 480

tcgacacttc acttctccgg aagaactaaa gagaaggn 518

<210> 2692
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-F2

<400> 2692

ccacggtcac aaatccgggt cgacccacgc gtccnaggac gcgtggggtt ctagatcgcg 60

agcggccgcc ctttttttt ttttttttgg gatccataca acaacaactt taatatacat 120

ttcacattaa ttgtcaaaca gataagaaaa gatcatacga aaatagagca gctgattttn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt 240

ttaaacttgt tctttcactc taaaacctgt tcttctcctt gcagttgctt ctcaccattt 300

ttcttgtttt tctcattcac caaagttagt caaaacgaaa ctacaactac gcgaagcttc 360

actcctccac aacaccaang ccantctcaa cantctctcc atcangggca ctattaaaca 420

ttcaggncct cctcanactt gggggttccc ttttggnctt tccaa 465

<210> 2693
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-F4

<400> 2693

acagcgaaga tgattttgtt gccatacgtc ctgagtggac cactgttgat cggattcttg 60

cctgcagaga ggaagatggg gagctggaat atcttgtcaa atataaagag ctatcctatg 120

atgaatgtta ttgggagtca gaatcagaca tctcaacctt ccagaatgaa attcaaaggt 180

tcaaggatgt aaattctaga actcgcagaa gtaaagatgt tgaccataaa agaaatccca 240

gagactttca acagtttgat catactcctg aattcctcaa aggcttgtta catccatacc 300

agcttgaggg acttaatttt ttgcggttct cgtggtcaaa acagacgcat gtaatccctt 360

gctgatgaaa atgggactaa gcaagacaat tcaaagcaat tgccttttaa cntcactttt 420

tgnggagaac cccatcc 437

<210> 2694
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-F5

<400> 2694

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aacttttaga taaaagctta taactgagag agacatagat cgacaaaagt ctctatacct 120

tcttgtaacg tggtggttaa ttaatcatgg ccgatcaaat ctccggcgag aagccggccg 180

gagttaatag attcgctctt caatgtgcta tcgtcgcctc catcgtctcc atcatctttg 240

gttacgatac tggtgttatg agtggagcga tggtgtttat agaagaagat ttgaagacaa 300

acgacgttca aatagaagtt ctcactggaa ttctcaacct ttgtgccctt gtcggatcat 360

tgctcgccgg aagaacgtcg gacataatcg gacggcgtta cacaatcgtc ttgggctcaa 420

tactantcat gttaggctca atantgatgg gttggggtcc gaaatatccn 470

<210> 2695
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-G1

<400> 2695

anaaagttgc gatgatactt aaagatccgg gtatgcggag tgtcttctca agaaacggac 60

aggttttgaa aaccggtgag acttgctata acccggagct agctcagagt cttgagacta 120

tttctgagca aggcccggga gcgttctaca acgggacagt aggcgagaag cttgttaaag 180

atgtgaagaa ggcgggaggg atcataacga tggatgatct aagaagttat aaggtccgag 240

ttaccgatgc aatgtctgtg gatgttatgg gttatacggt tcatggaatg ccgcctcctt 300

cgggcggtac agtcggtttt tcgatggtta tgaatatctt ggatagttac tccaatcttt 360

acactgcttc gggaagaaaa ctccggctgc accgttttga taaaaacaat gaaacatatg 420

tttgcaaccc gtaatggatt tt 442

<210> 2696
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-G12

<400> 2696

antggtttgc ctgcgcccta ccggccccgg atntcccgna atcggcccac gngnccgatt 60

tantcttcat tcttcgnttt cataccanaa caagaactct ctgttttcga caaaaacgaa 120

accttgagat ctattttgat tgacttttaa gaaagagaga gatctttctt agaagatttt 180

gtctcgtcgg cattgaagat ccagggtttg tctttcgaaa ttcagagaga aaatgggtga 240

tgaggcagag atcaaggaac atttaaagcc acaagcttca tctgaaacaa tggacaagaa 300

acataatgtg aaagggaaga ggttatggca agaaagtcaa gtatcaattg gtggagtttc 360

attcattgcc tgcttattaa gagacatggg tnctcantgg gcnatnccga ttcngattgg 420

cgatttaaca gatcctcnca ncaaccttac aatcncnaat ggaccttgga ggttnggccc 480

ctgaatnggg ttttnccggt ttgggcncac caaataaccg g 521

<210> 2697
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-030-Q1-E1-G3

<400> 2697

ttttttttt tttggagtta gaatgctatg aattccanac cagagaagat tcaaataaaa 60

cagagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagaa 120

cgataacagg aaacaaagat acagtcagta ctcagtagtt tgagggcacc tacggaaagc 180

angtaatact acanagggta gacgttccan tgcttaatga tganccatca tcagtacaag 240

caaacgtgtt tttcatcata caccgtatca ctttcacaag tggctgcagt cattccgcag 300

cataangaga ttgacttcna gaagcagcat caactttgcg canaggaaca aggctaccan 360

gaagatgggg actctcaatg ctacnccttt aaggagacat ctccctanaa aggagaggcc 420

tt 422

<210> 2698
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-E1

<400> 2698

gagaaaaatg tataaatcac cattaacgtt gctcacactt cttactattt gttttggatt 60

cttcgatctc agcagtgctc tttatggatc ttcgtcacct gtggttcagc tcactgcttc 120

taactttaag tccaaggttc ttaattcaaa tggagttgtt ttggtagagt tctttgcacc 180

atggtgtggt cattgcaaag ctctaacacc tacatgggag aaagtggcta atattctgaa 240

aggagttgct actgtggctg caattgatgc anatgctcat cantctgccg cgcaggatta 300

tggtattaaa ggtttcccaa caattaaggt ttttgttcct ggaaaggctc caatcnaatt 360

ancaangaac aaagagatgc caaatccaat tgcnaaattt gccttaaaag caaattaang 420

ggccttttaa ntgaccgttt ggaaa 445

<210> 2699
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-030-Q1-E1-B12

<400> 2699

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atgttagant cggagctaac aagtttccgg agaggcaacc gatcngaact tcngctcaca 120

gtgacaagga ntacaaagag ccaccacctg cgccgttgtt cgagcccggc gagctanctt 180

catggncctt ctgganagct gggattgctg agtttatagc tacgtttttg ttcctgtaca 240

tcactgtttt gactgttatg ggtgtgaaga ggtcaccgaa catgtgtgct tccgtcggaa 300

tccaaggtat cgcttgggct ttcggtggta tgatcttcgc tctcgtctac tgcaccgctg 360

gtatctccgg tggacacatc aanccaancg gttacnttcc ggttggtcct aactaaggan 420

ccttccctca acaacgaacc gtgtnccaca aaagggaagn aattgcctta aggaacnanc 480

ctgttgagct ggtgtttggn caaagggggt tcancccaaa gcaataacaa g 531

<210> 2700
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-B2

<400> 2700

ggcttttgac aatgggccac agacacagca agnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatgttaa acctgccgga gaacgccgcg 120

gatcatccgg ttccggaacc gtcggatcgt caggctccgg aacaggcgga tctcgttcca 180

ccacatctac tcagcagaat ggtcggatct taggtcggcc gatggaggaa gtacggagaa 240

cctatgagtt tggtcgtgag cttggtcgtg gccagtttgg tgtcacgtac ctcgtaactc 300

acaaagagac gaaacaacan gtcgcttgca agtcaatccc tacgcgccgc ccttgttcac 360

aaaagacgac attgaagatg ttcgccgtnn aagtccaaaa ttatgcaaca atctcaacgg 420

gtcaaccgga acaatatnga ccttgaagg 449

<210> 2701
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-B4

<400> 2701

ggtcacanat ccgggtcgac ccacgcgtcc gaccacgcgt ccgcaaaaaa cagagacaaa 60

agaatggcgc gaaaatccct aattttcccg gtgattttgc tcgccgttct tctcttctct 120

ccgccgattt actccgccgg tcacgattac cgcgacgctc tccgtaaaag cattctcttc 180

ttcgaaggtc aacgttccgg taaactccct ccagatcaac gcttaaaatg gcgccgtgac 240

tcagcattac gcgacggttc ctccgccggc gttgacttat ccggtggtta ctacgacgcc 300

ggagacaaca tcaagttcgg ttttccgatg gcgttcacaa caacgatgct ttcatggagt 360

ataatcgatt tcggtaaaac catgggaact gagcttaaaa acgccgtgaa agctgttaaa 420

tggggaacag attacctccn taaagcgaag gggaatcccc gggtatct 468

<210> 2702
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-B8

<400> 2702

anaaattcgc cggtcgaccc acgcgnccng aacaaacctg gaatactact tgaagttgtg 60

caagtcctaa ccgatctcga tctcactatc actaaagctt atatctcttc tgatggtgga 120

tggttcatgg acgtantcca tgtcaccgat caacaangaa acaaggttac ngatatcaaa 180

accatcgatt acatcgagaa ngtgttagga ccaaagggtc atgcttcggc ttcacaaanc 240

acttggcctg gtaaaanagt cngtgtccat tcattangcg accacacatc gatagagatt 300

attgctcgtg atcgtcctgg tctcttgtca gaggtttcag ccgtactanc agacctcaac 360

attaatgtgg tggcaagctg aacatggact cacaaaccgt taggattgcn tgtgtcctct 420

angtgaatga caatgcaaan tcca 444

<210> 2703
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-B9

<400> 2703

tggctctanc ggcccggaca tcccggantc gacccacgcg tccggaaana aaccctatgt 60

tattccagtc ggtggatcga actctttggg aacttggggt tatatagaag cagcaaggga 120

aattgaggag cagctgaatt atagacccga tgacctgaaa tttgatgata ttgtggtagc 180

atgtggcagt ggtggtacaa ttgctggtat ttcattgggg tcttggttgg gagctctaaa 240

agccaaggtt catgctttct cggtttgcga tgatcctgat tacttctatg actttgtcca 300

agggcttctg gatggacttc acgctggtgt taactctcgt gatatcgtca acatccacaa 360

tgccaaagga aaaggatatg ccatgaacac gtcagaagaa ccttgagttg ttaaagaaag 420

ttacaaagtt caactggtgt taatcctgat tccgtttaca nttggaaaac tccttanggt 480

tgataaatga gattaccaaa gatcccaatg tttgg 515

<210> 2704
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-C11

<400> 2704

cgtgggctca tctggttttc gagagagata gagaaagtga gacaaggtta aggaggaaga 60

agatgactga gaatcgggtg gttttggctc tgcttatact ctgcattgtt gggtttgagc 120

caagtttcat ccatggagct acggattcat cagatacttc ggcgttaaac atcatgttca 180

gctccatgaa ttctccagga cagctctcac aatggacagc atcaggaggt gatccttgtg 240

gccaaaactg gaaaggcata acttgctctg gctctcgagt tacacaaata aagttaccaa 300

gtcttggact ttccggatna cttggattca tgcctgataa attgacntcn gttactgagt 360

ttgatatgaa caacaattac cttggaggca attgccttaa caacctcctc caaacttgga 420

nccaantgaa tcctgctaat aaccaattca ctg 453

<210> 2705
<211> 532

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-C12

<400> 2705

ntggttgcct gttcctacgc ccggaatccc gngtcgaccc acgcgtccgc ccacgcgtcc 60

gggtttcttg gacagaacga tcatagacga tttcaaagat tacgcggatc tatgtttcga 120

gagatttggt gatagagtaa agcactggat caccatcaac cagcttttca cagtgcctac 180

gagaggctat gcattgggaa cagatgcacc cggtcgatgt tcccaatggg tggataaaag 240

atgttacggt ggagattctt ccaccgaacc ctatatcgtt gcgcataacc agcttcttgc 300

tcatgccacg gtcgttgatc tatacaggac gagatataag taccaaggag ggaagattgg 360

cctggtgatg ataactanaa tggttccaac aatatgatga cactcctana agagcaaacn 420

agcaactttg gangggcaaa agaaatcctc ctggggaatg gtcaaagggn ccccctaaca 480

aanggntaat nnccnttcat cnaganggaa acctgtttgg aancccggct tc 532

<210> 2706
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-C2

<400> 2706

gattccctac agagtacttt ctcaatgcta ccttcaggaa atcagcttca gcagccaagg 60

ccagcagcaa gctcacagcc tgcagtgtcc tcacaaggtc catcctccgg tttgccacct 120

ggaagtgcag ttggatctgg ccattctact cctgctggaa ataatcagcc tccgtggcca 180

aaaatgaaac catccgatgt tcagaaatac acaaaggtat ttatggaagt tgatagtgac 240

aaggatggaa aaatcactgg tgagcaggcg aggaatctat ttttaagctg gaggttaccc 300

agggangtat tgaagcatgt gtgggaatta tctgatcagg ataatgatac taagctttct 360

ctgaagggag ttctgcantt caattgnatt tgatggagcg gtataaaaaa aggcgttctc 420

tcccna 426

<210> 2707
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-C8

<400> 2707

aatctctctt tctgtgacct ttcgcaactt gtcaaagcac cacgaccttc tctctacgga 60

gttgagatca atccccccaa atctcggtgt ggttcctcta nggtttttga tcggaatcgg 120

aatcgataat ctaaccggca tgaggccaat cctattgccg gatccaccca gtctatctac 180

cggcgtccct gatattttcg aacaaggcgg ttcccataac gtcgtcagac gcgccgtcgt 240

catcggaaac ggtttccctg gctccgagaa tcagtgtatc ggtctcgttc gtgcgctngg 300

cttatctgat aatcaccttc tcctaccgan gtgacaaggc cctnaaaggg agggactaaa 360

tngaattggn tggcaatggg ntccccaaat tgggntttcn ccaagaaagt ttgggncttt 420

aatcct 426

<210> 2708
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-D11

<400> 2708

ctaccgcccc gganatcccg antcgaccca cgcgtccgcg gacgcgtggg gaaacagaga 60

tttcgcagag gaaccatcac tgattgtgtc accgaaccat tgatcttcaa gttccgatcc 120

aatttcagat atgtcgagga ttattggtag aaaagggatt aactatatcc atagactaaa 180

ttctgcgtcg ttcacgagcg tatctgcttc ttcaatcgag aaagggcaaa atcgcgtgat 240

tgatgcttcg ttaactctta ttcgtgaaag ggcaaaactc aaaggagagt tagtgcgtct 300

tttaggtgga gctaaagctt caacatctct tcttggtgta ccacttggtc acaactcttc 360

ttttcctcaa ggncctgctt tgctcctcct ccgtatccga naaactaatt tgggggtggt 420

aancacaaaa ctnctgccac tgaaanaaag ggaaaggant tnaaagggnt caacnggttt 480

cnaactgaag gttgggggaa ttttccggtn caa 513

<210> 2709
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-D12

<400> 2709

antggtttgc ctgttcctac ggcccggaat cccgaatcga cccacgcgtc cgctggcctt 60

canaagctgg acatgtcaag caacactctc agtggnccta tccctgcttc gcttgggcag 120

ttanaanagc ttantaactt caatgtctcg aacaacttcc tggtggggca nataccttca 180

gacggagtgc tctctggatt ttctaagaac tccttcattg gaaatcttaa cttgtgtgga 240

aagcatgttg atgtcgtgtg ccaagatgat agtggaaacc cttcatcaca ttctcantca 300

ngtcaaaatc anaagaaaaa ctctggtaag ctgctgatta gcgcatcaag caactgtagg 360

tgcgctactc ctaagttgca ctcaaggtgt ttcctgggga tggctttcaa nataaaaaag 420

ccncggtaaa tccgaaaatt taaagncctg gcaanggatg tttggtggaa ggttcctcta 480

attgngaatg ttccacnggg gaatttacct 510

<210> 2710
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-D2

<400> 2710

naaacacatg gtgatttctt gagactggaa catacggagg gatacatgaa gttatctgcc 60

aagacaaaga cgtttttcgc taccgctgtt tccttgtggg atgcagaatt ctacatcaaa 120

gttgacgatg acgttcatgt gaatcttgcc tccctcaaga aggctttatc cgcacaccaa 180

aacaagcctc gggtttatgt tggttgcatg aagtctggtc ccgtcctagc cagaaagtaa 240

gtaaaaaccc tactaaggtg agcatttttt aggtacttaa acagcgtaag agcatcaacc 300

tttccggact ttctatactt ctggcaaaaa aaaaaacagg agtgtgaagt accatgagcc 360

agagtattgg gaattttgga gaaatcngga acaagtattc cgccaagcca ctgggcaatt 420

ttaggcaaaa cnaaaga 437

<210> 2711
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-D9

<400> 2711

caaaagagac gacagagaaa gaagaagaag aaacgcgaag aacagaaaca gctctcttaa 60

gcttttctta attattatta taatttctc ttcttaatcc ccaaatctcc tgatggattc 120

atgaaccaga tcggctgatt tgagtttccg ggtttgattt ttttcccttt ttgtgaaatt 180

gggttggaat ctggagatct ggatcttata aagctggaaa ctttacgtgt gcttgatgaa 240

ccgattttga ttaggtgatt ggttagattc ggaaatttga agacttgtta atttgggttt 300

gggattggga ttgatctgaa aatttgtagt ttttggaaga tatgttggaa gattgattac 360

cagaatcctg tttgatacaa ggggtttccc aagctcncgt ccttccgaat caaactggtc 420

caaccctaca tgtttccaga gggatgatga na 452

<210> 2712
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-030-Q1-E1-B10

<400> 2712

gcccgganat cccggatcga cccacgcgtc cggttatang agtatattca ctttcttcaa 60

gaaaaagttc acatgtatga agattctcac caaatgtggt atcaatcccc aaccaaattg 120

attccttgga gaaatagtca tgggtctgtt gcggaggaaa atgaccatcc tcaaatcgtt 180

aaaagctttt caagtaatga taaagttgct gcttcttcgg gttttctctt ggatacgtac 240

aattcagtaa atcctgatat tgactcagca gttagcacca agattcctga acacagtcct 300

gtttcagcag tttcatcgta tctacgtacc gagccttcgc tgcagtttgt tcagcatgac 360

ttttggcaac caaaaacaag ttgtggaaca attaacngtt ttacaaatga attgttaaca 420

tcctgacgaa aaaacatcag ccagcttgtc cacngtcngc tcacaaggtt aanccttcgg 480

aa 482

<210> 2713
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-G11

<400> 2713

ccgnacggta ccgaacagaa attcgcgggc cgacccacgc gtccacccac gcgtccggta 60

gtaataatgg taacgaagaa gatgatcaac aagaggaaga agaaacggat cttctgaaac 120

gatccggttc aagtgcaagt accggttcag cgacggttcg attaccaacc ggaagaggta 180

gttacagtag atccaccagt agtatacgcg agatcgagct gattccgatc gaatcggtga 240

ttcatctgag ctggattgct cggcgaatgg tctccgccgg ttatctccgt gaatgtattc 300

aagtctacgg aagcgttcgc aaatccgccg tcgattcaag tttccgacgg ttagggatcg 360

agaaactcag catcggagat gttcanaggc taaattggga aacgcttgan cagaaagatt 420

cgtcttggat tcgaagcact aagatcgtgt ganaattgtg t 461

<210> 2714
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-G12

<400> 2714

ncagagcctt actccatgct ctgtggagaa ccattatttt tcagagaaaa catatgcaaa 60

ggacacatta gatgagccga agcggatagc aaagaagctt acttctcatg tatctggtac 120

gggttgccat aagaaagttt ctgaaggaag caatagaaaa agggataatg atttacatcg 180

gttgctgttt atgcctaatg gacttccaga cgggactgaa ttggcttact atgtgaaaac 240

gcagaaacta ctacagggtt acaagcaagg aagtggtata gtatgtagct gctgcagtag 300

agagattagt ccttcgcaat ttgaagcgca tgctggaatg gcggctagac gacaacctta 360

tcgacatatc ttcatctctt ctggattgtc attgcatgat ataaccatgt cactgggcca 420

a 421

<210> 2715
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-G2

<400> 2715

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atcgtttttc tctagattcg attccgattc caaagaacta gtctccggcg tgtaatctct 120

gatcgttgaa gatccaagct acgccgcatc ttactcgccg gcggcttgaa tcatggctga 180

taggagaaac aggtgtaacc agatcctcct tttagcatac cagagttttg gcttagtgtt 240

tggagatttg agtatttctc ctctctatgt gtataaatgt acattctacg gaggattgag 300

acatcaccaa acagaagata cgatatttgg cgcgttttct ttgatatttt ggaccatcac 360

tctcctttca ctcatcaagt acatgggttt tgtgttaaat tcaaatgaca atnggnaaag 420

gagggatctt tggctttg 438

<210> 2716
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-G4

<400> 2716

accgnaggca atcacggggc ccnnccacgc gtcnaaaaaa ccctaatttc cctgganatt 60

tttnccaaan nccaagcnct aagattcgtt gtgagcaatg tcttctgttt caagccagcc 120

acagtttcgt tacacgcaac ctcgttcaaa ggttcttcat ttgagaaact tgccatggga 180

atgcactgaa gaggagttaa ttgaactcgg aaagcctttt ggtactgttg ttaatacaaa 240

atgcaatgtt ggagctaatc gaaatcaagc tttcattgag tttgaagatt tgaatcaagc 300

tatacaaatg atatcttact atgcttcttc ttcggagcct gctcaagttc gtggtaaaac 360

tgtctacctc cagtactcca acaggcaaga gatagtgaac aacaaaacga cagcgggatg 420

ttgtggggaa tgttcctccg gtgactaanc aaag 454

<210> 2717
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-G5

<400> 2717

acacactctc agtcgcacgc tctttcacgc gccttttcga tttcacattc ggatccgatt 60

tgttcacccg ccgaagatcc accggcatct tctctaaacg gctctgtcga gaaggatcgg 120

cgctattatt gctggaggac gattgggtgt ttacttttta ctagtaaacg gagtaatttc 180

ccaagcgaaa ggtttcattt ttgagctcca cgttgaacga actaagcggt ttctcggagt 240

tctcttgctt cctctccacc cagcgcaatg gagaaaacag acgaagagag gaagaaggct 300

cagatgctgg acgctcgggc cagaaacatt agccacaatg ttcgctgcac tgagtgtgga 360

agtcagtcca ttgaagactc gcaagnaaat atcgctaatc cccctaaaan agcg 414

<210> 2718
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H1

<400> 2718

cgtaccggtc accnaattcc cggggncgac ccacgcgtcc anccacgcgt ccgcggacgc 60

gtgggttgta ttatagtttc agtcttgtat ttttcattct attgcataac accaacttct 120

tcatcagcct ccatccaaga tcaattcata aactgtgtca aaagaaacac acatgtttct 180

tttccactcg agaaaacgtt attcacccct gcgaaaaacg tctctttgtt caaccaagtc 240

cttgaatcga cggctcaaaa tctccagttc ttggcaaaat ccatgcctaa accgggattc 300

atattcagac cgattcacca gtctcaagtc caagcttcca tcatttgttc aaagaaactc 360

ggaattcatt ttcgtgttag aagtggcggt cacgatttcg aaggccttgt cctaagtttc 420

acggattgaa aaaccgttta nantactcga actgtcaaaa atggaaccaa tccatggttg 480

<210> 2719
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H11

<400> 2719

ccgntcagta ccgaacacaa attcccnggn cgacccacgc gtccngtaac ancantggcc 60

aaaaccagag ggtcttgttg tctcgtcaac gctctaancg ctatagcttt tttggcgaca 120

gcccanttgt gtgaagctgg cttgtctcaa naagaacagg acanggtctc gaaattgcct 180

ggtcanaatt ttaatgttag ntttgcacan tactctgggt ttgttgctac taatgagcaa 240

ttgggaagag ctcnctttna ctggttattt gaagccgttg aagatgctaa gtctaagcct 300

cttgttctct ggctcaatgg aggaccatna tgttcatctg ttgcatatgg tgaaagcaga 360

agagatatga ncatttcaca ttaaggcaga tgggaanact ctttaccttа atcaatattc 420

gtggaaccaa gctgcaaata ttttgtccnt gaagcaactg 460

<210> 2720
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H12

<400> 2720

nccgtaccaa tcacacaatt cccgggccga cccacgcgtc nnctagagtc ttcntttgag 60

aatgagacaa gattaggtta cggtttagca taggattcca aattcatttt caatcccaaa 120

aatacgatta ttcaggatat gggcaatctt ctggtaagcc aagcgagcaa gatacgtacg 180

cagacataga agcagcttac aattggctaa gacagaccta cggtacaaaa gatgaacgta 240

tcattttgta tggacaatcc gttggaagtg gaccgtcgct tgagcttgct tctcgtcttc 300

cacgtctccg agcacttgtt ctccatagtc ctttcttgtc tggtctacgt gttatgtacc 360

ctgtcaagca ctccttcccg ttcgacattt acaagaatat tgacaaaatt catctcgtgg 420

gagtgtcctg ttcctgtaat tcatggaaca gatgacgatg ttg 463

<210> 2721
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H6

<400> 2721

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ttttttttt ttggagttag aatgctatga attccaancc agagaagatt caaataaanc 120

aganactaaa aaggctgttc aaacagtant aattcttgca catgaacact aaaccagaac 180

gataacagga aacaaagata cagtcagtac tcantanttt gagggcaccn acggaaagca 240

ngtantacta canagggtan acgttccagt gcttaatgat gaaacatcat cagtacaagc 300

aaacgtgttt ttcatcatac accgtatcac tttcacaaag tggctgcagt cattccgcag 360

cataangaga ttgactcgan aaagcagcat caactttgcn cagaggagca gggctacang 420

agatggggac tctcaattgc tangcccttc aaggagactc tccttanaag gaaagg 476

<210> 2722
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H7

<400> 2722

tccnacagcg tcggtaccgg accaaattcc nggnccgacc cacgcgtana ccaagatggg 60

gaaactgana aagcggattc gtccttgtga tattacaatc aacattggta aagaggcgcc 120

tattccagaa tgccctatcc ctggtgaaag atgganagaa gttaagcatg acaatactgt 180

tacctggctt gctttttgga gtgatcctat caatccanaa gagttcaagt atgtattctt 240

ggcagctagc agttcgttga anggacanag cgananagan aagtatgaga aagcgangaa 300

gctacataac catataggga gtattagagc agcatacacc atanatttta ntancaagga 360

tgtnacaaag cggcaagata ncagtggcaa catatctcat cgataagcta ncccttangg 420

ctggaaattg agaangatga cgatnacgca gatactgttg gctggtggtc attgna 476

<210> 2723
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H8

<400> 2723

aaaaaatcgg nggccccgaa tctctcaaan ccaattaact tttttccggg aagatctcac 60

cggagaaaag ctagctaggg tttctccacc gtgaagattc tagaagcgag aatttggaat 120

ttgctaatta agaagatgtg ttacgatctt tcttaantaa aaaagcattg aaattgacga 180

atttagggtt gtgaaaaata tggatttgga ttcttcaatg gtaccagaga atgatcaaga 240

tcctattgct acgtctgaga atcaatctcc tatggaggag aaagaagaan cgtctgagca 300

acaaaccgga tccgaatccg aatcggcgtc attgacnccn tctcntcctc ntccttcgca 360

gcagcaacat cancagcagc aacagccgca ngtaacggcg gtngttggcc cgagatgtcg 420

ccaacgtaat cggttgttna tg 442

<210> 2724
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-H9

<400> 2724

tatccagccg nacaggtacc gnacncnaat tcccgggccg acccacgcgt ccanccacgc 60

gtccggtcga tttatttatt cctctccaaa gcaaaagctt cttcgatcgt ccttgtctcg 120

ttttcaattc taaatgtttt gtgcagaaaa atcatgactt tggcttctcc acgagtttca 180

aattcaaaga cgactgtgtt gttgtttcct cgaaaagttt cttcaattgc atttgctatt 240

ggtggattaa cttctttcgt catcttcgct tctctgcttc ttttcacgta tcccattggt 300

tcctctgtta ctgactattt ctacagaaca gagaccactc aaaacgtcca gtttcaccat 360

agtatccatg atcctgatcg taacccatct cctgtttcta gctcagagtc accaccanta 420

ttgacacaag atagtgatga taaaagtgct cccaanggat 460

<210> 2725
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-G10

<400> 2725

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ccaaatttct gttagttctc tgataagtac atttcgtgct tatcaaatac ttatatttta 120

aggggttgaa gttgtaattt tgaagaagtt gaagatcaat caaaaataat agaagaacag 180

agacgacgaa acgaaaccag ccggagaact gagcagagaa aaacccccgg cgagaatggg 240

aaattcgaat tcgtcttctg ttgatcatcg cttcatttct gcttccagag cttttactca 300

gaagaagctc gatgatctca aatctctctt cgtctccctc gcttccaatt ctcagagcaa 360

tgaccaatac gtctcgtanc ctgttttcca ngttttgacg attcgtgttc tgtcc 415

<210> 2726
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-D1

<400> 2726

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tcacattagc caaaaccatg gcctcctcaa gtctccattt cttcttcttc ttgacacttc 120

tcttgccatt cactttcacc accgccacac gtgacacatg tgcgaccgcc gctcccgatg 180

gttccgacga cctctcaatc atccccatta acgccaaatg ctcacctttc gcacccactc 240

acgtctctgc ctccgtgata gacacggtcc ttcacatggc ctcctcagac tcccatcgac 300

tcacctacct ctcaagcctc gtcgccggca aaccaaaacc cacctccgtc cccgtcgcct 360

ccggtaatca gctccacatc ggaaactacg tggtccgagc caaactcggc actcctccac 420

agctaatgtt catggtccta nacacaagtt acgacgccgt ttgggtcccn tggtccgggt 480

ggtccg 486

<210> 2727
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-D4

<400> 2727

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atgacgacaa atctcagcct cactctggtg gcggcgtcga tagtgctgga aagatatttg 120

ttggaggttt agccagggag acaacttcag ctgaattcct caagcatttt gggaaatatg 180

gagagatcac tgattctgtg attatgaagg ataggaaaac tggacagcct cggggatttg 240

ggtttgtcac atatgctgat tcctctgtgg tcgacaaagt tatccaagac aatcacatta 300

taattggcaa gcaggttgaa attaagcgga cgataccaag aggattcatg agctctaacg 360

atttcaaaac caagaagata tttgttggtg gaattccttc atctgtggat gatgatgaat 420

tcaaggagtc cttaagcaan ttggananct gaaggacacn agattatc 468

<210> 2728
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-D9

<400> 2728

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aagataatgt tggctggacc ttgggttatg gacttccaac attaggtttg gctatttcca 120

ttaccatttt cttgttgggc actccgtttt accgccataa acttcccact ggaagcccat 180

tcaccaagat ggctcgagtc atcgtggctt catttcgcaa agccaatgca ccaatgacgc 240

atgacatcac gagcttccat gagctgcctt ctcttgaata tgagcggaaa ggcgcctttc 300

cgatccaccc tactccaagt ttacgattct tagacagagc ttcactcaaa acaggaacaa 360

atcataaatg gaatctttgt actaccacag aagttgaaga aacaaaacaa atgctgagaa 420

tgttaccaat ctgttcataa ct 442

<210> 2729
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-028-Q1-E1-E10

<400> 2729

accgacgcgt ccgattttcc ggcggaaaag caaatgtccg ttaacgacag tatcgatcct 60

cggttcgtat tccacgttga agatgaatct ttgcgtttcc gtgtgggaga ttcaggtact 120

aagatccggg agctcgaaac cgtcggcgat cgccatttca gaacccagca aggtttctgc 180

ggaaatagaa ttgagaaaga tgaaaccatg tattccgatg gagatgatga agagtacgac 240

gtttctatcc gaagacgaac tgctctgatt cagcctggta ttgattccgg taacaattat 300

gattctgctg cagctgaaga aaccaacaga gaaagtaaaa atccagttgg ttgggaactg 360

gttgtgagag aagatgggga aggtaattca acgattgatc gacatgaaat gggagtttaa 420

<210> 2730
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-E11

<400> 2730

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agatttctga aaataaagtc gtttcttttt ttttttgcct tggtcactca agactctctt 120

cttcactctc tgtttttttgt cctcttctaa aatttagaga aaaaaacgaa agttttcacc 180

aaaaacagag gaggagctat gtcatcgtcg acgatgtaca gaggagttaa tatgttttca 240

ccggcaaaca caaactggat ttttcaagaa gtcagagaag ccacgtggac ggcggaggag 300

aacaaacggt tcgagaaagc tctcgcttat ctggacgaca aagacaatct tgagagctgg 360

tccaagatcg cagatttgan tcccggcaaa acagtanctg acgtcattan accnatacaa 420

ggagccaaga ggatgatgtc agcgacatcg aaacccggac ttancccc 468

<210> 2731
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-E4

<400> 2731

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gatcttttca ttttatctct ctctcttttt cttctatcca aaacaccatt tttgagatca 120

gagcttctag cagcgtaaaa aatgcagacg aggtatatgg agaggactaa tagtatgaga 180

gagaagagaa aattggagga agatgataat cagcagcagc agcaacagcc tgagcgtaaa 240

aggccagctc ttgcaagtgt aattgtggaa gccttgaaga tggatagttt acagaggctt 300

tgttcttctt tggaaccgat tcttcgccga gtggtaagtg aagaggtgga gcgggcattg 360

gcaaagcttg gccctgcaag acttagtgaa aggtcgtctc caaaacgaat tgaaggtatc 420

ggtgggaagg aatttgcagc tacaattcaa ggtcnaaaat tgtccggtnc cttgttaacg 480

g 481

<210> 2732
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-E6

<400> 2732

ttttttttt tttggagtta gaatgctatg aattccaaac cagagaagat tcaaataana 60

caganactaa aaaggctgtt caaacagnaa taattcttgc acatgaacac taaaccagaa 120

cgataacagg aaacaaagat acagtcagta ctcagtagtt tgagggcacc tacggnaagc 180

aagtaatact acagagggta gacgttccag tgcttaatga tgaaacatca tcagtacaag 240

caaacgtgtt tttcatcata caccgtanca ctttcacaag tggctgcagt cattccgcag 300

cataaggaga ttgacttcga gaagcagcat caactttgcg cagangaaca agggctacca 360

agaaatnggg gacctctcaa ttgctaangc ccttcaagga gaaatctccc taana 415

<210> 2733
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F10

<400> 2733

nctctacttt gcttcttcac tcgacttgta tctatcatcc atggcttccg agaatccttt 60

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cttacctgct ttgaacgatc ccaggatcga taaactacct tattccatta ggatacttct 180

tgaatcggcc atacgtaact gtgatgagtt ccaagttaag agcaaagatg ttgagaagat 240

tcttgattgg gagaatactt ctcccaagca ggttgagatt ccgttcaagc ctgctcgggt 300

tcttcttcag gactttactg gtgttcctgc tgttgttgat cttgcttgca tgagagatgc 360

catgaataat ctcggtggtg attccaataa aattaatccg ctggtccctg tagatct 417

<210> 2734
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F11

<400> 2734

ttctagccgn tcagtaccga acacagaatt cncnggccga cccacgcgtc cntggaaagt 60

tttggccaat agttcacagc tatactatct tctctttggt actaatgcac attattgcag 120

tcggattatt cgggcttaaa gagcttccag tggcatcttc tttaacaatt ccccttccgg 180

ttctcacggt ccttttcagc atttactgcc aaagacggtt tttaccaaat ttcaaatctt 240

atcctaccca gtgtctggta aacaaagata aagcagacga gagagagcaa aacatgtctg 300

aattctattc ggaactcgtt gttgcttacc gagatcctgc actttcggca tcacaggact 360

cgagagatat ctcaccttga gatcaccttt ttacttgagc tattgaagtt tgcttatgtt 420

gaagctgttg gtttactata cctggtgcaa tccatgaaag aacacac 467

<210> 2735

<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F2

<400> 2735

ctaccggtcn gcaaattccc gggnccaccc acgcgtccna ancacgcgtc cgtcggaaag 60

aagagggaga gagatgaaga agccggtcgg agccgagaag aagagggtta aacgatcatc 120

gggatctgca tctacttccg ttagagattc tggttctgat tctcaaccta ggaagcaagc 180

tgtgaagaag gatagttttc agttgtttgc tgagaaagtt agagaccaca agggattaga 240

atccagatgg gctgttatgg agcaagcacg agttgaatac tttagaggga aagattttgt 300

gagctttatg aagaataacc ctgactttaa agatattctg gaagaagata aagaccttga 360

cacagacgat attgccaatg ttttgttggg aaagaacttt tggtccgctg tgatcgtgtt 420

actaaaactc ctcgtcccng gnaagaaaaa gctccccaaa cttggccng 469

<210> 2736
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F5

<400> 2736

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ccgcccacgc gtccggaaag aggaagactt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnngagttcg gctacgaacc agagtaaaca agggaaaccc aagaacaaaa 240

acaatccttt ttacagcaat gaatacgcta caacagatag atctggagct ggttttaagc 300

tctctgtgct gaaagatcct acaggacatg atatatcctt gcagtatgat cttggacgtg 360

aggttggtcg aggcgagttt gggtataant tacttgtgta ctgataagga aactgggtga 420

gaaantagcc tgcaaantca tatccta 447

<210> 2737

<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F7

<400> 2737

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cttaacgaac ttttagataa aagcttataa ctgagagaga catagatcga caaaagtctc 120

tataccttct tgtaacgtgg tggttaatta atcanggccg atcaaatctc cggcgagaag 180

ccggccggag ttaatagatt cgctcttcaa tgtgctatcg tcgcctccat cgtctccatc 240

atctttggtt acgatactgg tgttatgagt ggagcgatgg tgtttataga agaagatttg 300

aagacaaacg acgttcaaat agaagttctc actggaattc tcaacctttg tgcccttgtc 360

ggatcattgc tcgccggaag aacgtcggac ataatcggac ggcgttacac aatcgtcttg 420

ggctcaatac taatcatgtt aggccaataa tgatnggt 458

<210> 2738
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F8

<400> 2738

cagcgactgt accggacccn aattcccggg ccgacccacg cgtncagaag aatcttgcat 60

ctgaaggcga ctcaaataac cccggttcat tggctggtaa gaagattctc atcccaggtt 120

ctggacagga gattcccgct aagaccagca cttgttgtac ttcttcttga tctgtctcct 180

actcaagcaa gattcatttt ttttcctcct gaaatttgtg atagagaatg ctactttcat 240

tgtatattct ttttcgaatc tggcttgttt gctagttcat taaacattgg tgtgcaattg 300

gacaccgata gaaagtattg gaacaaatag cttttgaatg aaatatgaaa caaacagtct 360

ttgagagtta acgtcaaaaa aaanannnna aaaaaaaaag ggc 403

<210> 2739
<211> 456
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-F9

<400> 2739

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acagatctac accgctttat cttcgaagaa aacgtctgca gcagacatgt tgaaggctta 120

ccagacatac atgtcggtct gccctttcaa gaaagctgct atcatatttg ctaaccacag 180

catgatgcgt ttcactgcaa acgccaacac gatccacata atagatttcg gaatatctta 240

cggttttcag tggcctgctc tgattcatcg cctctcgctc agcagacctg gtggttcgcc 300

taagcttcga attaccggta tagagcttcc tcagcgcggt tttagaccag cggaaggagt 360

tcaggagaca ggtcatcgct tggctcgata ctgtcagcga cacaatgttc cgtttgagta 420

caacgcaatt gctcagaaat gggaaacgat tcaagt 456

<210> 2740
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-C9

<400> 2740

naatcttaac accaatccca aatcagaaaa atcaaaactt tttattttat tttatcaaaa 60

tggcgcttat gaatggaagc atgaatctat catcggtcaa atcatcgatg atcaaccacc 120

gtcaaccaaa cttctcctcc gccgtctcca gacccacttc tttccggatc tccgccgtgc 180

aaaccgaccc aaaaacacca gctgcttcat cggcgtcggc ggcgacgacg actccggcaa 240

cgttgacgaa gcccgttgga gttaatgtgg gtaaaggaaa atgggcacca gagagttgga 300

ggacgaagaa agctttacag caaccggact atccagattt agctgcgctt gaagctgtgc 360

tagagacgat cgaagctttt cctccgatcg tgttcgccgg agaaactana ttgcttg 417

<210> 2741
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-H1

<400> 2741

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cnctcttcca ttaaatcttt gtggttctct tttattgttt tgatactgtg ctctgcttcg 120

gagagtgtag aaagagacag agctaaagtc tctgtgtttc ttctcagcag gactaaaagg 180

aaaaaaggaa atcgattgct aatgtcgggt gagaaacaag cggaggagtc aatagtagtc 240

tccggggagg atgaggtggc cggtagaaaa gtggaagatt cagcggcgga ggaggatatt 300

gacggcaacg ggggcaatgg atttagtatg aagagcttcc tctggcatgg cgggtccgct 360

tgggacgcct ggtttagctg tgcatcaaat caagtggcac aagtgctgtt gacgctgccg 420

tattcgttct cgcaattggg aatgttatca aggaataatt gcntcaaata atccaaaggg 480

gtaaa 485

<210> 2742
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-H11

<400> 2742

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tcgttttgtc nttctttatc gtctcggttt cgtcatcnga tgtcaacgac ggcgangatc 120

tcgtgatccg tcangtggtt ggtggagccn ancctcangt tttgacctca gaggatcant 180

tttctctctt caagcggnan ttcgggaagg tctangcttc caacgaggag catgactata 240

gattcncggt tttcaaagcg antctcaggc gagcgatgcg tcaccatnaa gttggatccg 300

tcggcaactc atggtgttac gcagttcnca aatctgactc ggtcagagtt ncgtangaag 360

cacttggggg gttagaatgg gtttaacctt cataaanatg ccaacaaggc tccgattctc 420

cctactggaa aatctcnctg aagattttga ttggtaca 458

<210> 2743
<211> 472
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-H4

<400> 2743

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gaaagccttt ctaattccaa tcttcttcac ttgtatgaca cgttcgtcta ctcttgcgct 120

tggtcggttt tcttaggatt tttgcacaag aatgatcaac gcatgattcg gattccagga 180

tagagaatcc atggctactt tcaatgttct ttgtagcaat cgatttagat tcaatggagg 240

ttattctccg gagaaattta atagaaaggt gtcttcgagg agtagtgagc ttaatgtttg 300

tgtctctaga atcaggactc aatcgtttag ttgcaggaga cttggtgggt ttatggaaat 360

tggtgaaacc aagattaagg gttattaana gttcatggcg aatcctcgta ataaaatttc 420

ctgtataacc anattaagcc acttgtgact gggtgantac ggagaataag ga 472

<210> 2744
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-A1

<400> 2744

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tctattggaa agaaaaaaat ctttggaaaa tggatcaaac agaggaacca ccactcaaca 120

cacaccagca gcacccagaa gaagttgaac atcatgagaa tggtgcgact aagatgttta 180

ggaaagtaaa ggctagagct aagaagttca agaacagtct cactaaacat ggacaaagca 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnncacca ggcgtaacag gtaaacctag agaaactaat gttccagcat 360

cggaggaaat tattccacca gggacaaagg ngtttcctgt cntgtccttc ccgantacac 420

caaanccact gaatccgt 438

<210> 2745
<211> 410
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-A10

<400> 2745

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tatcggagga aaccaacgcc gcggcggaga cgatggtggt gatgatgaag gcaactcgag 120

ggacgagaga tccagatcta cttgggctaa tgtggtttcc ggtgaggaag aggatcagaa 180

tcgcgcggga ggatcgtcgc acggccgtcg ccagaattca gaggagaatc aatgggagaa 240

gaagggcgaa aggcttccca caaggcattc acaatcacat gaggaggacc aggaagagaa 300

tacatatgcg gctaaagtga gcgagaaaca agacttctcg gagagccagc aagangaaaa 360

tgatggttgg gaaactgtgg gcaaaaagaa acctgcaang gaatcacata 410

<210> 2746
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-028-Q1-E1-A11

<400> 2746

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tgaacacaaa ctttgtttca atttagcgtt tacagtcgca gacgcaatcg cggttaagtg 120

aagcgcatcg tcactttcca cattcatagt aatatgcaac aactgagtaa cagaaatttg 180

taatcgaact cagatttcga agaagcagat ctcacaatgt ctggaaaaca gcaaaatcat 240

cgttctactt cctccagacc cagatccaaa accctaatcc tcatcggctc tctcttcacc 300

gtctctctac tcgtcatcct ctacacctct tcttcctcct cccgagcctc catctccaat 360

cccaacccgt cggaccgacc agagacgtcc ttcgttacct cgcctgagca attccta 417

<210> 2747
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-A2

<400> 2747

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agcgaagaag cagaattaat caaagttcag agctttcact atgaatatcc caagtggaac 120

cttctcaaga tctgatcatt tccatgcttc aagtgatgct tctctctttt caagctctct 180

tcctcttatt caacaccaaa acatcaaccc tcgtgacagc taccatcagt ctgttgatga 240

aatggcttct ggcttagacc attttagtgg aggcattggc aatatgcttg atgatggtga 300

ctcacatcca atcggaaaca tgcttcctga tgatgaggaa gagcttttct ctggtctaat 360

ggatgattta aacttaagtt ccttgccagc tacgttggat gacttggnag atatgattaa 420

tcggtaacgg aggaggtcct gaantgg 447

<210> 2748
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-A3

<400> 2748

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acggattagc gagaactgta tcgacgaaga aaggtaaaaa actatcggaa gatgaagatg 120

gagggagaga gatcgcaaaa tcgatgatta aagattcgaa gaagaactcg acgttgctcg 180

gtacttcagg ctttgttagc tccgaaagtt ctaagaggtt tacctctatt tgttctaata 240

gaggtgagaa aggaatcaac caagatcgtg caattgtttg ggagggattt gggtgccaag 300

aagacataac attttgtggg atgtttgatg gacatggacc atggggacat gtgatagcca 360

aaagagtaaa aaaatcattt ccatcttctc tgctttgcca atggcaacaa actcctgcct 420

ccttaacaac ctccccccgga aaggtnccc 449

<210> 2749
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-B11

<400> 2749

gggctgttac agtacttcct tccgtctccg gtctctctgc cgtcgcatct tcatcgaacc 60

tacgacgtct gacctccgcc tcgaaccatc gactcacggc gataaaatcc gtaacatcta 120

cttcttctcc tcctaccccct tctagtggtg ttcaacggag acggaagaat aatgatgaaa 180

acagagccac ggtggcgaag gtggtggaga atccgtattc gaaagtggag gcggcgcgtc 240

cggatttgca aaagaggttg tcagattttt tggaagaagc tagagagttc gtcggagatg 300

gaggaggtcc acctcgttgg ttctctccat tggagtgtgg cgctcaagct acaaactctc 360

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<210> 2750
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-B2

<400> 2750

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gctttcacca accgtctccg atactggaaa cgagctccag taccacaaca agtcgacgag 120

aacctctttt tcaccgtcgg attagggcta atcaactgtg ccaacccaaa cagtccccgt 180

tgccaaggtc ctaacgggac ccgattcgca gcaagcatga acaacatgtc cttcgtgcta 240

ccacgaagta actccgtcat gcaagcatat taccaaggca ccccaggaat cttcacaacg 300

gattttccgc ccgttccacc ggtgcaattc gattacacag gtaacgttag ccgcgggtta 360

tggcagccca taaaaggaac caaagcttac aagcttaagt acaaatctaa tgttcagatt 420

gtgttacaag acactagcat tgtcacgcca aagaatcntc ccaagcatcc aaaacggtaa 480

cn 482

<210> 2751
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-B6

<400> 2751

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tcacttgatt ttttttttta gcctttcatt ttgcagacat cttcagggaa ctgagctaat 120

actttttttt ttcctgatat tttcttgaaa agcctttctt cctgctgcaa ttatgaatga 180

naannanaat accacaaagc anactttant aatacanaaa aacagaactt gagtagtggg 240

aantgagaaa tagaanaaat gcagtaaagc cagtgaattc acaataacat tttcatttcc 300

attactggaa tacattntat tcagtcatct gtgaggttaa tgtacctgac atgaattatg 360

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ttaagtgctt aaatgg 436

<210> 2752
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-C11

<400> 2752

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atactacttg taataatctt ctccgtgagc ttcagaaaat atgggttgaa attggtgaga 120

ctgagactga gaaagataga atgcttatgg aattagagag agaatgtctt caaatctatc 180

aaagaaaagt tgatgaggct gcaaattcta aggcaaagct tcatcagtct gttgcatcaa 240

tagaagctga agttgcttct ttaatggctg cccttggtgt gttaaacatc aactcaccga 300

ttaaactgga taaaggttca aaatcattga aagaaaagcc tgcagctgtg acacctccaa 360

gttgaggaat tgagaattca aaaagaggag agaatgaagc agttttccga tataaan 417

<210> 2753
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-028-Q1-E1-C4

<400> 2753

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accagttgta aatgcagtta ttgacgggga tgatatcata tacagagact atgtggatat 120

cagtatcgct gttggtacct ctaagggact tgtagtacca gtcataagag gtgctgataa 180

aatgaacttt gccgagatag agaagacgat aaactcactt gccaagaagg caaatgaagg 240

aaccatatcc atagatgaga tggctggcgg atcattcacc gtttcaaatg gcggtgtcta 300

tggaagtctc ataagcactc cgattaataa acccccctcaa gtccgccata ctccggcatg 360

cactccgaat tggtgtcacg ttccaaatgg gtaantaagg aaggaaaccg taattgccta 420

aaaccaatga atgttangtc ccaactttac gttaggat 458

<210> 2754
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-027-Q1-E1-G9

<400> 2754

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acagagacta attaaggctg ttcaaacagt aataattcgt gcacatganc actaancnan 120

aacgataaca ngaaacaaag ntacagtcag tactcagtag tttgagggca cctacggnaa 180

gcaagtaata ctacanaggg tactacgttc cagtgcttaa tgatgaaaca tcatcagtnt 240

aagcaaacgt gtttttcatc atncaccgta tcactttcac aagtggctgc antcattccg 300

cagcataacg ngaatngact tcgntgaagc agcatcaact tttgcgcaga ggagcaaggg 360

ctaccacgag atgggggacc tctcattgct acgcctttca agagacatc 409

<210> 2755
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D10

<400> 2755

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agtcaaacag acatttagct actactctgc atacaatgga tcaaatgaca aagaacctct 120

tatacctcaa aactcgggtg cgtatgtttt ccgtccaaat ggtacattcc ccatcaatcc 180

ggaaggacag gttcctttga ctgttataca tgggccgcta gtggacgaag tacaccaaca 240

gattaatcca tggatatctc aagatcacta gagtttataa gggcaaggag catgtggaag 300

ttgaatttat tgttggtaat ataccaattg atgatggaat tggcaaagaa gtagtaaccc 360

aaatntcaaa gttccctgaa aagcaataaa a 391

<210> 2756
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D2

<400> 2756

aaagaagaga aagagagacg atgctgtgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntaaganga agagaaaggt 120

aaacaaaacg ccaaagaang ctgaggaagg caatgtacaa cagaangtga aggtagaaga 180

gattgangtt aatacanaca ataaagaaca agatggggtt gttcctaaca agttatatgt 240

tgggggtant ccttatcana gtacanaaca tgagattcgt agctacttta naanctgtgg 300

agtcatcant aaagttgatt gcaaaatggt cctgaaaatg gggctttcag tggtattgcc 360

ttcatcaatt ttggcactga nagatggcgc aaaacgtgcn ttggctttga t 411

<210> 2757
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D4

<400> 2757

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ccgcggacgc gtgggcggac gcgtgggtga ttgttcccaa cactaaacat ctcgaggaag 120

cagcctccaa agcaggtgta tcgaattcag atatcaaaca gatgtgtgaa gatcagaaac 180

ttgagaaagt ggtgttacaa gagctagagg ctattgcagc aaccaacaaa ttacanaaat 240

gggaaattcc tgctgccgtc aagttgttcg canagccatg gacacctgac aatggaatgc 300

tcacagaagc catgaaattg aaacgtcatg agattggcaa taagtttgca ccaagagatt 360

gaacgattgt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

nnnngnaca 489

<210> 2758
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D5

<400> 2758

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accctatgac catcatagca ggttacagaa tggcttcgga atgtgctcgt aatgctttac 180

tgaaaagagt cattgataac aaggacaatg cagagaagtt taggtcagac ttgttgaaga 240

ttgcgatgac tactttatgt tccaaaattc tctcacagga caaggaacat tttgcagaaa 300

tggccgtgga tgctgttttc aggctaaagg gaagcacaaa cttggaagct attcagatca 360

tcagaaaacc tggagggtct ctgaaggatt cgtttttgga tgaagggttt aatcctgaca 420

agaaaataag aattgggcaa gctaaacgca tatagaatgc aaatatccta agtaaccaat 480

acn 483

<210> 2759
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D6

<400> 2759

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ggtcttataa tgtgacgcct cttagtgtcg ttgatccctc gagattctgt gggcagtttc 120

cggttacaca ggcagccgca tttgatgctt tccggtggaa aagacgattt gggtccatta 180

gctatgcttg aagatantgt gaagaagctc aagagtccta aaacttctca gacgcggaat 240

ctaactaaag ctcagataga ttctgcgtta gattctctct ctgattgggt ttttgaatct 300

tgtggctctg tttctttatc tggtctcgag catccaaagt tnanagcttt tttganncna 360

gttggtttac cgatnatctn aaggacaaaa tttgtcancg gaataatgga tttgaagtaa 420

gaacattcna nagcataagc tgaatccang aatccaacac gcaatgttcc ttcangaatg 480

g 481

<210> 2760
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D8

<400> 2760

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tgtctccggt caatattttt cttcgatccg tcgatcggat attttgactg gagatttaag 120

aagtctgaaa ttgttagatc gcagctatgt cgtactctga ctccgattcg tcgtctcatg 180

gtggcgagta caagaatttc cgacagatta cgcgtgaacg actcttgtat gagatgctta 240

gatctgcaaa gacagggagc tcaaaatcca cctggaaggt actaatcatg gacaaactta 300

ctgtcaagat aatgtcgtac gcctgcaaaa tggctgatat cacacaagaa ggagtttcat 360

tggttgaaga catatttaga cgaagacaac cacttccttc aatggatgca atatacttca 420

tccaaccaac taaagagaat gtcatcatgt tcctgtcana catgtctggg aaa 473

<210> 2761
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-D9

<400> 2761

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caatgcatgg agtcaccggc agagaacaaa gctatgcatt ctctgtcgag tctccggcag 120

ttccttccga ctcatcagca aaattttctc tccccgtgga caccgaacac aaagccaaag 180

tcttcaaact cttatccttt gaagctccac atatgagaac tttccatctt gcttggatct 240

cattcttcac ttgcttcatt tccactttcg ctgctgctcc tcttgtcccc atcattagag 300

ataaccttaa tctcacaaga caagatgtcg gaaatgttgg tgttgcttct gtctctggca 360

gtatcttctc taagcttgtt atggggagca gtttgtgatc tcccttg 407

<210> 2762
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-E10

<400> 2762

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tgagacacct actggtgacg gttttcttgt cggggctcgc cgaatacttg ataaggccag 120

tgatgactga cgtcaccgta gccgcggttt gctccggcct agacgattca tgttctttgg 180

ccgtctatct caccggagta caacaagtgg taaccatatc tactnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgcttt aactaatctc ttttcgttgg 300

gtgttgatta ctctttaaac tttttatctt tttatctgat ggtgaaaatg atataaaaaa 360

aagacggtag gaatggggac aatggtaatg atgccantga ttggcaatct atcc 414

<210> 2763
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-026-Q1-E1-E11

<400> 2763

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acatagatcg acaaaagtct ctataccttc ttgtaacgtg gtggttaatt aatcatggcc 120

gatcaaatct ccggcgagaa gccggccgga gttaatagat tcgctcttca atgtgctatc 180

gtcgcctcca tcgtctccat catctttggt tacgatactg gtgttatgag tggagcgatg 240

gtgtttatag aagaagattt gaagacaaac gacgttcaaa tagaagttct cactggaatt 300

ctcaaccttt gtgcccttgt cggatcattg ctcgccggaa gaacgtcgga cataatcgga 360

cggcgttaca caatcgtctt gggctcaata ctaatcatgt tagg 404

<210> 2764
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-E3

<400> 2764

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gcaacataac ccacaaaaac tcaatctttg tttcttatct tcaaaaccca tctgatcatt 120

cctccggaat ctttctcaag aacagagcaa atgccgcttg ttaggctcca agttaggaat 180

gtctacggtt tagggcaaaa agagcttcac acaaaagtcg accgtgaaga ccctaaagcg 240

attctcgacg acgtcgccgt ttctggactc gtcgggatct tgcgtcaact cggtgatctc 300

acagaattcg cagcagagat attccatgga atacaagagg aggtaatgat aacagcatca 360

aagaagcaac aaattgaaga tgagattgaa gcaaatagaa gctaaagttc ctacaatcca 420

aaagacagtt gcttgcacaa acaaatcaca ttcatttt 458

<210> 2765
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-E4

<400> 2765

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gttttacagt gaatcgtgcc ctaatgcaga gactatcgta gaaaacctgg ttcgccagca 180

gtttgctcgt gacccttcaa tcacggccgc cttgacncgt angcattttc acgactgttt 240

tgtccagggc tgcgacgctt ctctcctcat agacccaacg acgtctcaac tatcggaaaa 300

aaacgccggn ccaaacttta gcgtgagagg gttcgagctg atcgacgaga tnaagacggc 360

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tgacgccgt 429

<210> 2766
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-E5

<400> 2766

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aggaacgcta gctatatgct taacacatgc aagtcgaacg ttgttctcgg ggagctaggc 120

agaaggaaaa gaggctccta gctcaaggta gcttgtctcg cccaggaggc gggaagagtt 180

gagaacaaag tggcgaacgg gtgcgtaagg cgtgggaatc tgccgaacag ttcgggccaa 240

atcctgaaga aagctaaaaa gcgctgtttg atgagcctgc gtagtattag gtagttggtt 300

angtaaaggc tgaccaagcc aatgatgctt aactggtctt ttcggatgat cagccacact 360

gggaactgag acacggcccg gactcccacg gggggcaac aatggggaat cttggacaat 420

gggcgaaaac ccgatcagca atatcccgtg agtgaagaaa gggaatg 467

<210> 2767
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-E7

<400> 2767

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tgaatgcaca catgctcaat ctccttgtca tagtcatttt tgtagtttct ttcgatgtcc 120

aagcactcag tcctcactac tacgaccata cttgtccaca agccgaccac attgtaacca 180

atgcagtcaa gaaagccatg tcaaacgacc aaactgtccc tgctgcgctt ttgaggatgc 240

atttccacga ctgtttcgtc agaggatgtg atggctcagt tctcttagac tctaagggga 300

agaacaaagc agagaaagat ggacctccta acatctcact ccatgcattt taagtgattg 360

acaatgcaaa agaangnatt aagaaagaac aatgtcccgg tatcgtctcc ttgcgccgac 420

attccttcac tt 432

<210> 2768
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-E8

<400> 2768

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ggattttcac tcttctgctc naaagggcag tgcttgagaa tcattgaaga angtgatcgc 180

tggtgctgtt ttgataactc aaagccgttt tgctgaaaga gggttaccaa agttagaagc 240

tcaanaactt ggagctgtgt cttctttttg tancatgcca tattttattc agaggctttt 300

caatacttgc aagtcatctc tctcacctaa tggtcctgtg tctgaggagg ccttanacaa 360

ggttcgcaat gtcttggaga aaatcaagcc gtctgatgtt ggtctcgaac aggaagctca 420

attggtgcgt aattggcctg gtcctgggaa cgangcgtaa tggaaaccat cattctctgg 480

ca 482

<210> 2769
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-026-Q1-E1-C9

<400> 2769

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tcatgaagga accatatgat attacacgcg atagagagcg caagcgggca ttgtccatgg 120

tcctatccca gagtagacat caggagaaga aagatgctga gatacttgct gaggctaaaa 180

gaatcacaga gatgcgattg gccgcacgtc gtgcagaaga acctgatgtg tctgcgaatg 240

agaacgccgg tcttgataaa gctgatgggg ttgttccagg gcgtagtgta tctccaacat 300

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gcctctaccc ttgcttctct gcgcatgctt catgtatact tgagaa 406

<210> 2770
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-A11

<400> 2770

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ttatcgattc gttgaagagg agtggtcgta atctaacata tatattaaat acacatcatc 180

attatgatca cactggtggg aatttggaat taaaagacag gtacggggca aaggtgattg 240

gctcagctat ggataaagac cggattcctg gaattgatat ggccttgaag gatggtgaca 300

aatggatgtt tgctggccat gaagtccatg ttatggatac tcctggccac acaaaaggcc 360

atatcaagct tatactttcc aaggatnacg aacgattttc 400

<210> 2771
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-A4

<400> 2771

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ccatggaatc tccgaagaat tctctgatcc cgagcttcct ctattcatca tcttcatctc 180

cgagatcttt cctcctcgac caggtgctca attccaactc caacgctgca ttcgagaaat 240

ctccttctcc ggccccgcgt tcctctccta cgtcgatgat ttctcggaag aatttcctta 300

ttgcatctcc caccgagcca gggaagggga tcgagatgta ttcacctgcc ttctacgctg 360

cttgtacctt tggtggaatt ctcanctgtg gncctantca catgaacgtg antcctcccg 420

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tttt 484

<210> 2772
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-A6

<400> 2772

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gcaacaaatt ggatcaagtt gcagaaagta acatcatatc tttcacttgg aggaaaagcc 120

agatgatgtc agatgctctg aatcgctaca atgggggatt tgttttggaa tctttggtca 180

gcacttgctt tcctggatgt gaagtacctg catcattcga tcaccaagcc tatggagcat 240

tgttacagac gaaattacct cggcactggt gtgatagtag gcttactggg atagctttat 300

gcgctgttan attgtttccg gactaacaac atcaaangca atccgttcct gggtgaaatg 360

cacttgtgaa gtttccggaa ctgaaagaat tgggccaatg gttatcaagn cttttaagtt 420

tccaattggt tggagggttt ggnnccnaaa ccaaggctat taagccaacg aactaattta 480

agntccgaa 489

<210> 2773
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-B11

<400> 2773

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cagcctcgag cctttgcaaa gctctgattc gactccaact aaaggcgatt acttcgccgc 180

gatcaaccac gttgtcaata tcgtccgccg cgagattcac ccggagagat cattgaacag 240

tctccgtcta cctgtaacct ccgaattcgt gttcagagtc ctccgcgcaa cttctcgttc 300

ctccaacgat tctctccgat tcttcaattg ggctcgatcg aacccctagct acacaccaac 360

ctccatggaa tatgaagagc ttgctaagtc ctancttcac ata 403

<210> 2774
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-B12

<400> 2774

ncccacgcgt ccgcgatcta tagagacgaa acaaaaagag agatcgtacg caaaagtttc 60

cgatatggct cgctcgtttg gagctaacag taccgttgtg ttggcgatca tcttcttcgg 120

atgtttattt gcgttgtcct ctgcaataga agaggctacg aagttaggat cagtgatagg 180

gatagatctt ggtactactt actcttgtgt tggtgtttac aagaatggtc atgtcgaaat 240

tattgccaat gaccaaggaa accgtattac accttcatgg gttggtttta ctgactctga 300

aagactcatt ggtgaggctg ctaagaatca agcagctgtt aatccagaga ggactgtctt 360

cgacgttaag agattgatcg ggcgaaaatt tgaggataaa gag 403

<210> 2775
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-B2

<400> 2775

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cgcactcatt atcatcgttt gaaactaaac atggcgacgg agaaaagcaa gattctggtg 120

atcggaggaa ctggttacat cgggaaattc ctagtagaag cgagcgccaa agctggccac 180

tccacattcg ctctcgttag agaagcaact ctatccgatc ctgtcaaggg caaaaccgtc 240

cagagtttca aagatctcgg cgtcacaata ctacacggag atttgaatga tcacgagagc 300

ttagtgaagg ctattaaaca nggttgatgt tggtgatatc caaccgtttg ggaagcaatg 360

caaaatcctt ggggttnaaa ccaaagatta atttccgcca tcaaaagaan cccggttatg 420

tncaagaaga attccttggc cggtcctgaa gttttggggg ttggatgttg gataanggac 480

caattgccgg ttgaanccaa cc 502

<210> 2776
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-B3

<400> 2776

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gtaacggtga ggtttggatc taatcgaatc aacgatggag gttgcttttc catcttcgcc 120

gccggtgaaa tgcatcgccg atgaaagatt aacagagatc tccatggatt tcaccaaatt 180

aggattccca gaagaagatg aagaaattaa aaaattggag agatcgtgga gtaagctcnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngtttt cgtttgcttg 300

tgtaaacgga gaaggatctc caattaccgc tgatgaagct tttgaagatg gtcaaattcg 360

tcctgtgttt cctctgttta aacgtgatct tctcttcgag tacgaaaacg aagatgacaa 420

aaacgaca 428

<210> 2777
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-B4

<400> 2777

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catgactcaa aacaacaaca cttgacttca caactggttt ttccctcgca cgagaattga 120

agaaaataag aagaagaaac actaaacaaa aaagtatggt ggaattggag attgtgtggt 180

tggttagagg cgcttggatc actgtttgga tcgtctctat acttcctttg gtgattgctt 240

cgatacccac ttcaaagctc aactcttttc gtgaactcgt tttgagtttc gctggtagag 300

gcaagattct tcacccttct tctcaaaaag tttacaattc ctcaaaaatg ctttgcacac 360

ttttatgtta ntggantggt gtggacaact cccccgcttg ctgcaacttg ggtggtatgc 420

ctgcaaaatg gggcctttan cctccgaagg agntccaatt atccgacaat tgca 474

<210> 2778
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-026-Q1-E1-B6

<400> 2778

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atagcatagc gatcatcaaa tgtcaccagg acgaagtgtt ggtgctgccc gaaactgcta 180

aagtgcttgc gtattccaag aactacgagg tggagatgta ttcgattgag gatcatttgt 240

tctgtatcca aggacatcct gagtataaca aagagattct cttcgagatt gttgatcgtg 300

ttcttgctct aggctacgtc aaggttggtt ttatttctct tttctcttaa ccttgatcaa 360

tttacagaca acaataacat tgaaaaactt ggatatagta catatgggtg ggttttggat 420

taaataa 427

<210> 2779
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-B9

<400> 2779

ncgagttctt ctctatacca tatccattgt ttgctagctc agcatacgat tgccgtgatg 60

tctcttgcag tgaggctact acaattggtc tgatcaaaac ccgagacact tatccatttg 120

gtgtggatcc tgtgtggcat ggtacccgca gtgagctacc attcctaaat tcgcttaaga 180

tgaaaatgtc aattcttatt ggagttgcac aaatgaacct cggaatcata atgagcttct 240

ttaatgcaaa attcttcaaa agtgctgtaa acatatggtt ccagttcgtt ccccagatga 300

tattcttgaa ctgcttgttt ggctatcttt cggtcctcat catcataaag tggtgcactg 360

gttctcaagc agatttatat cacgtaatga tctacatgtt tct 403

<210> 2780
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-C5

<400> 2780

gaagctggtg atgtacagcc taattctttt gttttcagta gactcttagc tggttttcgc 60

gatagaggtg aatggcagaa gacatttcaa gttcttaaag agatgaagag tatcggtgtt 120

aagcccgata gacagtttta taacgtggtg atcgatacct ttgggaagtt taattgtctt 180

gatcatgcca tgacgacttt cgatagaatg ttaagcgaag gtattgaacc agatagggtg 240

acttggaata cgcttattga ttgtcattgt aagcatggtc ggcatatcgt agcggaagag 300

atgttcgagg cgatggagag gcganggtgt ttgccttgtg ctacaactta taacattatg 360

atcaatagtt atggtgatca agaaagatgg gatgatatga aaagantgtt gggaaagatg 420

aag 423

<210> 2781
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-C7

<400> 2781

attatcnaag ccgctcaggt accgaacnna gaattcncng gacgattcac cgattttnct 60

caaaatgcta atcaaatccc aaagattgac tcttttctct cctctcttgt ccaaaacaag 120

acggatcccg gttaactccc accaaacact ggtcgcagaa tcggtgataa ctcggagaac 180

actcggtgcg atcaccgcaa ctccgagttt tcataaaaat ccggtggtga ttcgacggag 240

gatcaaatta gagagagtta cgaggaactg cgtcagaatt gatcggnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnta gtgaagttca caggtccggc gatggggatg tggatttgtg gaccgttgat 420

gagtctcatc gacacggtcg tcatcggcca aggaagctcc atcgaactcg ctgctcctgg 480

accgg 485

<210> 2782
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-026-Q1-E1-C8

<400> 2782

gagagaagaa gatgtctata gaggaagaga acgttccaac gactgttgac tcaggagctg 60

ccgatacaac ggtgaaatct cnggagaaga aaccggcggc gagaggtggt aagtctaata 120

agacgacgan ngctagtagc aacgaataag cctgtgaaag ctgctgctcc aacgaanaag 180

attacaactt cctctcaccc tacctatgag tgagatgatt aaagatgcga ttgtaacgtt 240

gacagganag aactggatcn agtcaatann cnattcagaa attcatacga ggagaancat 300

aaatcactgc ctcctacttt tangaanctt ttgcttgtga atctcanaga gacttgttgc 360

ttctgacaaa ttggttaaag tcaant 386

<210> 2783
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-H7

<400> 2783

ttctacgcnt tcggtaccga ncagtgaatt cnccggccga cccacgcgac caaccacgcg 60

tccgcaaagc tgcttgtggt atagtcaaca taccaaagat tcttgatatt gatgaatctg 120

acaaagataa tcatgtggct gcagtggagt atgttgatga tatgtactcg ttctataaag 180

aagttgagaa ggagagtcag cctaagatgt acatgcacat tcaaactgag atgaatgaga 240

agatgagagc gatcttgatt gattggttac tagaagttca catcaagttt gagcttaacc 300

ttgaaactct gtacctcact gttaacatca ttgatcgatt cctctatgtg aaagctgttc 360

ccaanagaga gttgcaggta gtgggaatca gtgccttcca aatatgaaga natctgggnc 420

acctcaagtt aacgatctgg tgtangtcac gggcaatgct tacagttaca accagatttc 480

naggggt 487

<210> 2784
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-F2

<400> 2784

gnagtcaaaa catcacgggt cgacccacgc gtccacaaan gacggtttgg accgcgagtg 60

cgcatatcat aaccgccgtg attggatctg gtgttctatc gcttgcntgg gctataggtc 120

aactcggttg gatcgcaggt cctacagtga tgttgttgtt ctcttttgtc acttactact 180

cttccacgct tcttaacgac tgctacagaa ccgganatcc tgtctctggg aagagaaact 240

atacttacat gggcgctgtc cgattaatcc taagtggctt tangttcaan gatttgtggg 300

ctgaatcagt aattgaatcc gtttggtatc aangtcnggt acacaatccg cagcatctaa 360

aaantatgat ggcgatnaaa aaggtccaaa ctgtttccaa caagaancng aagggaaaaa 420

acccgtgtca natgtcnanc aatccataca tgatcatgtt tggtgtgacc caaaatn 477

<210> 2785
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-F4

<400> 2785

taaaaatgct gatgtcattc aggaaaagaa ccatatccca tttttccnat gttgcatacc 60

aaggggcttt gctantggna agcctttgat gaagatgcag catctgtgag attatttgct 120

gancggggaa tgggagtttt ttgttgctca gtcatatagt aaaaatttag gtttgtatgc 180

agaaagaatt ggggcaatca atgtcgtgtg ctcctcagct gatgctgcta caagggtcaa 240

gagccagttg aaaaggattg ctcggcctat gtactcnaat ccaccagttc atggggcgag 300

aatcgtggcc aatgtagtgg gtgatgtaac tatgttcant gaatggnaag canagatggn 360

aatgatggca ngaagaataa aagacgttag acaanagctg tangatancc tcgtttcaaa 420

agacaa 426

<210> 2786
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-F5

<400> 2786

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agggattatt ctccgacttt tggtcagcct gcttcttatc tacgtgcaag aggagctcgg 120

tctgagcttg gagaatttgt ggagtatgat cttgacaatg aggatgaaga ctggctttat 180

gagtttgata aggataagaa agaacttcca cctgaaaagc ttgagatcat catttttaaa 240

ctagaggtgt tggatcacaa gacgcgggaa agagcaggag ttattacacc tactctcggc 300

tctccagttc ctgtgctttt gcagtttgat gctgcttctg atgtgctgca agtactgtcc 360

attaattatg gaaccttcca ggcgatcttc aactactgga aagaaaagcg taaaagatgg 420

cagaagccta tcttacggcg tttacagcct cccccaacgg ttaatgaca 469

<210> 2787
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-F7

<400> 2787

ttttttttccc tttccgagca gatctgagcc gaaggttaac tacatgaccg gcgctgagaa 60

cggcgtgaga atgacgtcac cagaggcgtc ttcaacatcc tccctcgcca ccacaagtgt 120

ccacgtaagc gctctcgang gactcgtgaa cgtgaactct ctcttcacca tcgccgtctt 180

cgttggtctt tccttagcga ctccaggaca anacagcctc taacaacgat ccagctgcga 240

cgcaagtgct gacgtcgcca agaagctact ggtcttcgaa gtcntctcct tcagcttctt 300

cctcttctcc tctcttgtan ctcagggtct taagcttgcc ttaaagcttc ntaatagcaa 360

ngacgtcaan ganattttca gnagtcacat cattatccan gtttttgana atggggaaat 420

ga 422

<210> 2788
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-F8

<400> 2788

acgctttctt gtgctcaaag gatttcatca gtgaatgcta tgtcggctct gtgtgaagcn 60

acangcgcag atgtcacnca agtgtcttac gcggttggta cagactcaan gattggtccc 120

aanttcttga actcgagtgt tggnttcggt ggttcgtgtt tcnanaanga cattctgaat 180

cttgtctaca tctgtgagtg naacggactc ccggaagtgg cagagtactg gaagcacntc 240

atcaagatca atgactacca gaanagccgg ttcgtgaacc gtgttgtttc ntccatgttc 300

aactctgtat caanacaaga agattgcggt tctcggtttc gcattcaaga nagacaccgg 360

tgacacaaag gggagactcc agncatcaat gtgtgcaagg gtccttttag aatacaaagc 420

aan 423

<210> 2789
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-F9

<400> 2789

cgtgcaactc gcattcttcg tgagatcaaa cttcttagac tcttacgcca tcctgacatt 60

gttgagatca aacacatctt gttgccgcct tcaagaagag agtttcgaga catttacgtg 120

gttttcgagc ttatggaatc tgatttgcat caggttatta aggcaaatga tgatttgact 180

cctgagcatt atcagttttt cctctatcag cttcttcgtg gcctcaagta tatacacaca 240

gctaatgtct ttcatcggga tcttaaaccc aaaaacatat tggcaaatgc tgattgcaaa 300

ctcaagatct gtgattttgg acttgcaaga gtcgcattca atgatacacc gactgcgata 360

ttctggactg attaagtanc tactcgatgg tacaag 396

<210> 2790
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-G1

<400> 2790

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tgaatttgcg aagtatggga gacgctagag acaacgaagc ctacgaggag gagctcttgg 120

actatgaaga agaagacgag aaggtcccag attctggaaa caaagttaac ggcgaagctg 180

tgaaaaaagg gtacgtggga atacacagtt ctggattcag agacttcctt ttgaaaccgg 240

agcttctcag agctattgtt gactcaggat ttgaacatcc atctgaagtg caacacgaat 300

gtatccctca agctatcttg ggtatggatg ttatctgcca agcaaagtct ggtatgggga 360

agactgctgt gtttgtcctg tctactctac aacagattga accatctcct gggcaagttt 420

ctgnacttgt ccttgtg 437

<210> 2791
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-G10

<400> 2791

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gcggtatgtg gctatgaatg gnatcacatc attcaaaaga taccaaatag caaaggtgta 120

cagaagggat aatccatcta aagggagata cagagagttt tatcagtgtg attttgatat 180

cgctggtttg ttcgaaccaa ttggacccga ttttgaaatt gtcaagatat tanntgaact 240

cctcgatgag ttagaaatan gagattatga ggtgaaactg aatcaccgca agttgcttga 300

tggaatgctg gagatatgtg gagtaccacc tgagaaattn anaaccatct gttcnagtat 360

Document Page 1340 of 1340

ccacaagcta gacaagcaat cgtttgagca antgaagaaa gaaatggtgg anganaangg 420

cttgtcttca nagattgcag ccagaantgg caac 454

<210> 2792
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-G11

<400> 2792

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atggcatcgt ctggatcagc cgacgaagat ttccagtctc gcgttgcgaa gatcttcgga 120

tctctaccct tctctcgtcc ttcgtcttcc aagttttcca cgtcgtcttc tgctccggcg 180

tcgcggcagc aatcggggtc ggtgtggact ctctccgaca cagaggtaga gaagcgggag 240

tggaagcgag attcgtacga tagagacgag attccttgtg cttcatcctt tgacgagctc 300

ttaaaacagc agaagccttc cgaggatgat ctcaaagata ttgattgcgg cgaggatttt 360

gatggtgtgt ggagtatcag agcctccatg ggccttgatc gcactctcga tgacgaagca 420

gangaagatg aagtatgata aaagttgcac taagggaa 458

<210> 2793
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-G12

<400> 2793

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gattttgatc gatttctaag ctctaatctc agtttttgg gtagctccgg tgatccttga 120

gatggcgggt cagaatccta acatggatca attcgaggcc tacttcaaaa gagcagattt 180

agacggagat ggtctgatca gtggtgccga agctgttgga ttttttcaag gatctggttt 240

gtctaagcag gttctcgccc agatatggtc gctttctgat cggtcacaca gtggtttcct 300

tgatcggcaa aacttttata attctccgag acntgtaaca gttgcacaga gcaaagagag 360

atntgacacc tgagaatgtt aatgcaaca 389

<210> 2794
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-G4

<400> 2794

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tttcttctcg gaatcacaaa tcttcggctt cttgttcctt ggcgtgtgtg tgtgttgttg 120

aatggctctt gttcagcgga ttccaatttc ctcctccagt attcggaatt ggcaacaagc 180

gaggaccaat ttgactccta tttgttgttt acattacaat actgcatctt cttcttcttc 240

acccctttaca gagaagcact ctgtggagag ataccaaagg gatcaatggc tgtacaaagc 300

ggttgaacca acgccaccat cgactccatc tccatcgcca tttgaagatg aagtctttgt 360

tagggaaaac gacattgcat cgcagctgcc tgagctgaag aagcttttgg cagtgctgaa 420

agagaagaga gttaaaggat gcaaaggtgg tgattgtgga ccaggagatg 470

<210> 2795
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-G9

<400> 2795

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cctcttcacc atctccaacg cacggaagtt taatgtcgga ggcagtggcg cgtgggttac 120

aaacccacct gaaaactacg aatcttggtc tggcaaaaac cgtttccttg ttcacgacac 180

tctctatttt agctacgcta agggagctga ctcggtgcta gaggtgaaca aggctgatta 240

cgacgcttgt aatacaaaga atccgatcaa aagagtggac gatggagatt ctgagatctc 300

tcttgatcgt tatggtccgt tttacttcat cagtggcaat gaagataact gtaagaangg 360

tcaaaagctt aatgtcgttg tcatatctgc n 391

<210> 2796
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-H2

<400> 2796

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tattatgact gttggtattg ctattgtgtc atgggttggc ttaccgacct cctttaccat 120

cttcaacttt ggaacacaaa aagttgtcaa gaactggcag ctattccttt gtgtttgtgt 180

tggtctttgg gctggactca ttattggttt cgtcactgag tactacacta gtaacgccta 240

cagccctgtg caagatgttg cagattcatg cagaactggt gcagctacca atgttatctt 300

cggccttgct cttggttaca aatccgtcat tattccaatc tttgctattg ctatcagtat 360

attcgttanc ttcagctttg ctgctangta tggtgttgct gttgctgntc ttggtatgct 420

cagtacaatt gccactggtt tggcaattga tgcttaaggg cccatcaat 469

<210> 2797
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-025-Q1-E1-H3

<400> 2797

nacccggtat gatccaagtc ttcctcggcc acagcggagg atttgatgtc gaagggcatg 60

agcttcctcg gcttgtgtac gtgtcccgtg agaagcgtcc tggttttcaa caccacaaga 120

aagctggcgc catgaatgcc ctgcaaggcc gtgagggaag caatgtgttt tttgatggat 180

cctcagattg gaaagaaggt ctgctatgtt cagttccctc aaaggtttga tggcattgac 240

acaaacgatn gttacgccaa cagaaacaca atcctccttg ataacaataa taaaagncca 300

aatggaatcc aaaggccaat ttangttggn aactgggtgt gttttcaaaa caaaaactcc 360

gtaanggtaa taaacaacca aaagggccna aacttcaaaa gataanaaac ngtggttgtt 420

gnccttgctt tggggccccc 440

<210> 2798
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-025-Q1-E1-F12

<400> 2798

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ctacctccga gaccactgtt tcatggactt ctcgcatcaa tctcctcacg cgcaatggtc 120

gattagcgga ggcagcgaag gaattctccg atatgacact cgccggcgta gagcctaacc 180

acatcacttt catagctcta ctctccgggt gtggtgattt tacctccgga agtgaagcct 240

tgggcgattt gcttcatggg tatgcttgta aacttggtct tgatagaaac catgtcatgg 300

ttggcaccgc aattatcggc atgtactcca aacgcggccg ttttaagaag gctagattgg 360

ttttgattac atggaagata aaaatt 386

<210> 2799
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D2

<400> 2799

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gaagagagtg gtagagttat atattacaca cataaactta gatatagtag tgttatattc 120

ttgattaagt aataaagatg aaaggtggaa gcatggagaa aattaagccg atattggcga 180

taatttcact gcaatttggg tatgcaggca tgtacatcat caccatggtc tcgttcaaac 240

atggcatgga ccattgggtt cttgctacat accgtcatgt cgtagccacg gttgtcatgg 300

ctccctttgc tctcatgttc gagaggaaaa ttaggcccaa gatgacacta gcaatattct 360

ggaggcttct tgctcttgga atattanagc ccctcatggg accaagaatt tgtactacat 420

aggattgaaa aacacatcag catccgtaca cttctgccct ttttttaaaa 470

<210> 2800

<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D3

<400> 2800

tagttggccn ggccggtcca aaataacggg tcgagccacg cgtccgacca aaaccccaaa 60

accaactaaa actgaaaaaa caaacgttga ctttttgact aaccaccatc ctccgccgta 120

aatcatgatc gccgccgttt acactcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnncaaagcc acgatttcaa tctctcccca aaccttaaac cgatccggcg acatagtcgt 240

gatcaaatgg tccggcgtcg aatcaccgtc cgatctcgac tggttaggaa tctactcgcc 300

accggactct cctcacgatc acttcatcgg ctacaaattc ctctccgatt cacccacgtg 360

gcaatccggg tcgggttcga tttcacttcc cttaaccaat cctccgatca aattacactt 420

tccggatctt cattggacca atccgaaata nacccgaaac a 461

<210> 2801
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D5

<400> 2801

gnttcttcct tcttcgtcct ttgttttaat tctctcatat cacttacgaa aagaagaaag 60

aaaaaaaaca ccaaaactaa agagaaattt cgttatcact ctcttgccaa aactcacata 120

catataatca tatatcatcg caaaatgtct tgcctagaga tttataacaa agacacgatg 180

aagaagaaag aaggagaaga agaaacaaga gatgggacag tggattacta tggtcgtccc 240

tctattcgtt ctaactcagg ccaatgggtt gctggcatcg tcattcttct gaaccagggg 300

ctgggctaca ctagccttct ttggagttgg agtgancttg gngctcttcn naacccgcgt 360

tttgcagcag aacaangcag acgcagtaac aactttagca atgggccagg gacngtttaa 420

a 421

<210> 2802

<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D9

<400> 2802

gaaagccaat gagaagctga cgaaaaaccg cgttggttaa attacatata aatgggtttt 60

gtgaattcaa ataaagacga agacaaaaag tttgagactt tatctctact ttgacccgac 120

cagcgaaagt gtaaattgaa agatagatag aaagaaagag ccaactttaa aagcttagcg 180

gttgatttcg aaatctcgtc gccggcgcgt ggagtctttt cgtcggacaa caacaagaga 240

aaagagattt gtggtgttct tctgcttaga attgttgttt tccatctccg gcagtgagat 300

ttggtggaaa aattttgatt tgtgatcgat ggttaaggaa acagagtact acgatgtgct 360

cggagttagc ccaactgcta cagaatctga gattaagaaa gcttactaca taaagggcac 420

cccaagttca tcccngat 438

<210> 2803
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-E1

<400> 2803

ttacgttgcc nggcccggtc canaattaac gggtcgaccc acgcgtccgc tcagcttcgt 60

ctcattctcc ttctcgatct ctccttttac tcaccattcc aaattcccta aaccccgatt 120

ttggggaggt tttacaaaat ctatcgacgt agttggatac agttcttcga ttctgattcg 180

attttaattt tatgtcaagg gaatttgcct agtattcgca gagtgtgatc atatgaaatc 240

tcgagcgagg cagtgtctgc tggtttgttt gctctgtctt tccttaacga atctctccta 300

tggagaaaat aagttcagag agcgtaaagc caccgatgac gagctgggct accccgatat 360

tgatgaagat gctttattga atactcaagt gcccgaaaaa attgganctg cgatggcaaa 420

ctgaaatcac ttccaagcgt taagctaanc cttgattgct gaataacatt ggaaangggg 480

<210> 2804

<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-E10

<400> 2804

gcaaagagtg gctgcttatg cagcgaaacg cgttcttcta tgttttcaag actgtccaga 60

tcgtcatcat tgctgcaatc acgtctacac tcttcctgag aaccgaaatg aacacaagaa 120

acgagggtga tgctaatctc tacataggag cattgctatt tggaatgatc atcaacatgt 180

ttaatgggtt tgcggagatg gctatgatgg tttcaagact ccctgtgttc tacaaacaga 240

gggatctctt gttttatcca tcctggacct tctcacttcc cactttcttg cttgggattc 300

caagctcaat attagaatcg acggcttgga tggtggtgac ttattactcc attggttttg 360

cacctgaccc agccgctttc ttaaagcant tcctccgggn gttccggatc aacaaatggg 420

ntgcaacc 428

<210> 2805
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-E11

<400> 2805

gcccacgcgt ccgcccacgc gtccgcggac gcgtgggttc tctttgtcac aatgaatnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnagcc tcaaaagaac aanaacttgt gaaccaagaa aaggttgagc aacccccctta 420

aaaacnggtt ttcggtc 437

<210> 2806

<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-E3

<400> 2806

ttacgtttgc cnggccggtc caaaattaac gggtcgaccc acgcgtccgc ccacgcgtcc 60

ggatcatgcg aaggaatgct cctcaggcgg aggatactat cgctctctgc gtcgtcgttc 120

agaaacttta cttccggtaa caacggcgac gctattccgt tctctacctt cacgaaacct 180

tcttcttcaa tcgctcccgg agatttcctc gtccgtgaat ggaaagactg gtttaagcat 240

cgagatgtga aacagagcca ccaattaatc gatcgaatct ttgacatcct tcgagctcct 300

tctaacgatg gagacgatag agctttttat ctccacctct ccaatctccg acttcgtctc 360

actgagaaat tcgtcctcga cgtgctttca cacactcgtt aagaataatc ctctgttgtc 420

tcaaaattcc tccaattggg gctgctccgt cagcctgggg tttcatcaca cggcgtgcta 480

aaccnttttt tttt 494

<210> 2807
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-E4

<400> 2807

ttacgttgcc nggcccggtc canaattaac gggtcgaccc acgcgtccga acacatctca 60

tttctccgct gtttcgtcgg caaattttcc catttttgat tccgaagata atagatatta 120

tcaacagagg ataaggataa aacccagaac aatcattata atttagtggt gaagttgacc 180

aaatttataa actgatccaa ttttaaaatc taagagatat ggagaacatg gacgatttct 240

caccggagaa tgttttagca ccaccaccac cacctcctcc aatgaagaag tcaagcatct 300

gtttatgcaa agaagcaata gctttgtttc taaagctacg agagattcat gggatcgtat 360

gttcgacgaa gctcatggag cctgatgttt tggattcata ctgatgataa tgggttggat 420

ttacgcacat tctaatgtca tccggatngc ttcagatgta tccagaagga atggaaattt 480

gggaaaa 487

<210> 2808
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-E5

<400> 2808

gcttctggct ctctctcttc ctaagtttcc tctctcttta naactgtaga gagagaaaag 60

cctccatttt tctcaaggca atctctctct ctctgcctca tctcanaaac ccattacacc 120

aaaacctcat cgtanagaga gaaacacacc aaccattgtt acactctaag agaagagaag 180

agaganggaa aaatggacgg tgtatcacca aagtttgtgt tgccggngac attcgacggc 240

gtgaggatng anatcacagg caaactaggc atgattggga gcttgtaaaa gcaccagtga 300

tngtcccnct tctnaattag cgtttanatc cgtttgccta agtctgtcaa gcnttaagtg 360

aaagggttac attgggaatc gtcatccgtc tctcaaant 399

<210> 2809
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-024-Q1-E1-E8

<400> 2809

gcaagaagcc aaaacgtcaa gatgctaaca acccttgtag tctaaccact cccaagattt 60

aagaattttc ttacttttgt tctagttttg ttgagaaaaa gatgcatccg atcttcgatg 120

ccatccttca aaatgacctt ccagcttttc ttggtttggt ggaagcgaga gaatcttccc 180

tggaggagag aagcgaggaa cagaacacca acaacacggt tttgcacgta gctgcaaagc 240

tcggtcaccg agaactggtc gccaagatta ttgagctccg accttccctt ctctcttccc 300

gtaacgcgta cggagacaca cctttgcatc ttgctgctct tcttggagac taaacatagt 360

tatgcagatg ttagacactg gattggaact atattccgca cgcaataaca aggaaccaaa 420

<210> 2810
<211> 430

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-F11

<400> 2810

tttactcctc ttaacactcc tcgaaacaaa aagaagannn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaa 120

attaatctta ctcgccggaa cttttctctc tcacaancgc ttcaaacaaa atttctaagt 180

ttatccgaat atgaataaac tagttgtaga aatcgttgac gctagcgatt tgatgccaaa 240

agacggacaa ggctcagcga gtcctttcgt agaagttgaa ttcgacgaac agcgtcagag 300

aacgcaaacg cggtttaaag atctaaaccc tcagtggaac gagaagttgg tttttaacgt 360

cggtgacttg aaccgtttga ataacaagac ggtcgacgtc acngtttacg atgaccgccg 420

tgataatcag 430

<210> 2811
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-024-Q1-E1-F6

<400> 2811

gcgccgacac cgtttaactc cgatggttcc cccgccgtct aatccgcagc aggttcagca 60

gttcctctcc tctgccctct cccagcgcgg cccatcttca gtcccctacg aagagtccaa 120

caagtggttg atccggcaac atctacttaa cctaatctct tcttaccctt ccttagagcc 180

caaaacggca tcgtttatgc acaacgatgg tcgctccgtc aacctccttc aagcagatgg 240

tacgattccg atgccttttc atggagtcac ctataacata cctgtgatta tctggctcct 300

cgagtcatat cctcgtcatc ctccttgcgt ctatgtgaat cccaccgctg atatgatcat 360

caagcgacct cacgcacatg tcactccttc tggtctcgtt tctctccgta ccttcaagaa 420

aaaatttttg 430

<210> 2812
<211> 421
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-F7

<400> 2812

gcgtcaacag atttcatact gtggaattta acagctgaaa caaaggttac acaaatctca 60

tgtggtggct ggcgccgacc ccattccttt tatctcgggg aaatccctga gtggcaaaac 120

tgttttgcat atgtgaagga tgatgtcatt catattcata gacactgggt tggaggacag 180

aagaccaaag tctttcctct aaatttgcat acacagtttc atggcagaga attgcattcc 240

ttatgcttca tctctacaga tacaaaagcg ggattcgatt ctgaagaaag taaaatatct 300

gatcggtcta gttggattgc aacagggtgt gaagatggat ctgtgagatt gagtaggtat 360

gcatctgant ttggaaattg gtcaacatca gagcttttag gagaacatgt tgganggcca 420

a 421

<210> 2813
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D12

<400> 2813

gaatgaagag ggactaaccc actttgacga aattctacaa gaagcagatg gcattattct 60

ttctcgtggg aatttgggta tcgatctacc tccggaaaag gtgtttttgt tccaaaaggc 120

tgctctttac aagtgtaaca tggctggaaa gcctgccgtt cttactcgtg ttgtagacag 180

tatgacagac aatctgcggc caactcgtgc agaaggcaac tgatgttgcc taaatgctgt 240

tttnagatgg gaattatgca aatcctcctt gggtgccgaa gaccctccgt gggattggaa 300

ccctggttga aaaccaataa tcaactggtt gggtaaaaat ccggttgtga aggcanaaaa 360

aantttcaac caaaaatttg tccttaaaaa anacnggtca antnagnttg ggaaancaat 420

ggaccacttg gganccaatg cttctccggc 450

<210> 2814
<211> 436
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B12

<400> 2814

gcccacgcgt ccgcccaaaa gcatacaata caatgtctac tcttgtttta ttcctccaac 60

ttttttccat cctaccatta gcacttgggt tgaaccaccc aaattgtgac ctgaccaaga 120

ctcaagacca aggctctacc ctaagaatct tccacataga cagcccttgc tccccccttca 180

aatcatcatc cccactctca tgggaagcgc gtgtgctcca gacgctggct caagaccagg 240

cccgtctcca gtacctgagc agcctcgtcg ccgggagatc tgtagtcccc attgcctcag 300

ggcgtcaaat gttgcaaagc actacataca ttgtcaaagg ctttgatngg tactccggct 360

caagccgctg ctcctagcca tggacacgag cagtgacgtt ggcttggatt cctgctccgg 420

ntgcgttggt gtccttt 436

<210> 2815
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B3

<400> 2815

acgttagctg ccnggccggt ccaaaataac gggtcgacnc acgcgtccgc tcaccatatc 60

cacaatcctc aagctatctc ctttgtgtcc ataatcgaaa cgctttttgc gatttatcct 120

aatctttttt ctatcttctg ctacaaattt ggttcttttt tggttgaatt tggataaaat 180

cataatctcc tcttcaattt tcttgtgaaa tggaagtttc agtgattgga aatcctcaag 240

cgaggatctg cagagcagaa ttagcttaca gagagcttgg atttagattt ggctctgatg 300

taatctccgg tgaatcgaga aatagggtta gtttctgcaa ccaaagctct aaatggaaag 360

agatcgcgat acgttgctct tcgagatctg tcaaatgtga agccatcgtc tccgatgacg 420

cttctccgtt tccaaatcca ctccaaaatc taaatccgct ccgaagaagt ggtaaaaaat 480

tttttaaaat 490

<210> 2816

<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B4

<400> 2816

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atgatcttct cctccgatca ttagtctctt taatctttct cagcctcttc ttgttcgtga 120

tctctcttcc tccggaaaaa gatgtcggcc ggtaacggaa atgctactaa cggtgacgga 180

gggtttagtt tccctaaagg accggtgatg ccgaagataa cgaccggagc agcaaagaga 240

ggtagcggag tctgccacga cgatagtggt ccgacggtga atgccacaac catcgatgag 300

cttcattcgt tacagaagaa acgttctgct cctaccacac cgatcaacca aaacgccgcc 360

gctgcttttg ccgccgtctc cgaagaagag cgtcagaaga ttcaacttca atctatcaag 420

tgcatccgtt aacatcgtta acgaagagan tcaaggaccc aaaaaaaang gggg 474

<210> 2817
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B7

<400> 2817

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gaaacgtcac gaacgtgtga attgggttaa aaaattcatc tcattgatcc aaacttgaaa 120

ccctaatttc gaatctcttt gctgatttgg tgagatctca atttcggaaa gaagatgacg 180

aaggatttcg cagttccacc tgtagttttc ccctccggtg gatcttcagg cggtgctaat 240

gtccagcaac gaagattccc agcgacaccg tttcaaccgc cgcgtccctc ttcttccgca 300

atccctttca tgtcattcga cattggatcc gcagccgcgt cttccgctac acctgccgga 360

ccattcggcg ggacatcgct tcctcttctt cntttggtgg aggtcacctt cgtttgaaga 420

aatggaaaag ggg 433

<210> 2818

<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-024-Q1-E1-B8

<400> 2818

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ctttcttttc ttcaacgatt tctctccccc tcttgcttta gctgatcgat ttcgaaaaat 120

tgagcttgcc aagtcaagca accagatttt gttggttgta tttagtatag gatccaaata 180

caatggatga aaaccatagg aatccatttg caaatgcaag tacaagtgct agagcaagcg 240

gcagtacaag tgcgagctca aactcgagtt ttagtagcag tgtggcggat acagatgatg 300

atcagaccat tgcacgtata ttagctgaag atgagagctt gagaagagaa ggaagcttgg 360

ggaagagatt atctcattgg atccatccac acactcctcg ggttaacagg gagattaacc 420

cccccggg 428

<210> 2819
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B9

<400> 2819

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taaacttgca tctgatatga tgggtaagan gtcaccagaa gagcgtgaga ggangtttaa 120

catggcatcn tcnttgaaag caaacgctcc agcttcanca tcatacggca atgcatcaag 180

catctgaacc acgggaaagt ttaggagcga gtgggagttc ttcgggaaat tcctttgtgg 240

ctccaagaag cggtttcgaa ccaagcatcc cttctgctcc gcctgctgac ttacaggaac 300

agatgagaan ccaaatgaaa gatccancga cgcnacagat gttcacgtct atgataaaga 360

acatgaaccc tgacatgatg gctancatga gcgaacaatt tgggaatgaa acnttccaag 420

gaaaa 425

<210> 2820
<211> 422

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-C11

<400> 2820

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ctctcagttc ttctcttctc caagaacaaa aaaaaaaggt gaantcanaa tcgntagaaa 120

atcttcacng tccattaatc gaatcatcga nntcgttcgt cgattatcgt ctcgagactg 180

tgttaacaga tcgagagtta ccgtattttc gccggattta tctancgatg atgattgaga 240

tgacagtttc nctttcatct ggcggctccg gcgatctttg tttangtcat caacaanggc 300

atgtcanttc ttagncgtat cttcgctgga cacgtaggaa gcttcgaact cgccgncgct 360

tcacttggaa acagtggttc aacaatgtgn acctanggan ttctgcttgg aatggaaagt 420

nc 422

<210> 2821
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-C12

<400> 2821

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ccgtgaagga gtgaagtacg gtgctggaat cggtccagga gtctacgaca tncactctcc 120

aagaatanca tcntctgang aaatcgcaga tagggtcaac angatgcttg ctgtcntaga 180

gcacaacatc ctttgggtta accctgantg tggtctcaag acccgtaagt acaccnangt 240

caagcctgca ctcaacacca tggttgatgc ggctaagctc atccgctccc anctcgccag 300

tgccaantga agaaaagctt gatttganca aagaaacgtt ttttttctc taaaatggtt 360

gtgttttatt tggtttaata actttctnaa aaataatttt agtctaaggt agatttgatg 420

catatggttt ctttcntgtt gatnagagag aaaggctata tcatcctttg gatttgatgc 480

aatgtttgt 489

<210> 2822
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-C3

<400> 2822

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aagcaactgg agttgttaca aagactgctt gggctggagc tgcttataat cttttgctat 120

acatgctggc tagtcatgtg cttggtgcag cctggtatat attatcggtt gatagatata 180

catcgtgctg gaaatcaaga tgcaatggtg aagctggcca agttaattgt cagctatatt 240

acttagactg tgattcaatg tatgacaata atcagatgac ttgggcaaat gtcacaaaag 300

tgtttaaact ctgtgatgca cggaatggcg agttcaagta tgggatcttt gggaatgcaa 360

tcacgaaaaa cgttgtgtct tcacaagttc ttcgagagat atttcctact gtttgtggtg 420

gggaatgcaa caacttaatt cctaatggac aaaaatttgt cccacgaaca atgttcaaaa 480

tgggggggg gcc 493

<210> 2823
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-C6

<400> 2823

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cctgatcggc tccggtggtc ccagcggatt cgggtcaaga tccaccgccg atcatgtcac 120

ttgtaattct gatctccgtt ctctaactgc catcatcact ggcgcgacgt cggggatagg 180

agctgagacg gcgcgtgttc ttgctaagcg tggcgcaaga cttgtgcttc cggctagaag 240

cgtcaaaacc gccgaggaaa caaaggctcg tatactgtcg gagtttcctg atgcggagat 300

catcgttatg catcttgatc tcagctcact tacctctgtt cgtcgattcg tggacgattt 360

cgaatctctc aaatctccac tcaacatcct cataaacaat gctgggaaat atgcgcatta 420

aaaggnccc 429

<210> 2824
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-C7

<400> 2824

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gatttagttg gacgggctcg tactggtcag ggtaaaacat tggcttttgt gttgcctata 120

ttggaatctt tggttaatgg acctgccaaa agcaaaagga agatgggata tggcaggtca 180

ccaagtgttt tggtcctttt accgaccaga gaattggcca agcaggtggc tgctgacttt 240

gatgcatatg gaggatcact tgggttaagt tcatgttgtc tctatggagg tgatagctat 300

ccagttcagg agggtaaatt aaagagaggt gttgacattg tanttggaac ccctggtcgt 360

attaaggatc atattgaaag acaaaacctt gatttcagct atttacaatt ccccggtttt 420

ggtt 424

<210> 2825
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-C8

<400> 2825

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ctttttgatg gattgtcgtc ggttttctcc cgggagctgt ggaagtgtag tggttatgtg 120

cctaagaagt ttaaccttaa gtatagagag tttccttgct gggatgagca agagaaggat 180

gaagacggtg caggggtttt gttttcgatg tcgaaggaga atgtgattgc tgctcctgtt 240

agtactttgg ttggaatgag gaggagtctt gatggtaaag gaggaaccaa tgacgtgaag 300

cttggttgtg actctggtga aacggataga aaacattctc agggtgctat taagaaggat 360

aagangttgc ttcgtcctaa gatgacgaat aaacgaaaga aaaagaattg ttcggtgcct 420

tttcccnaaa aa 432

<210> 2826
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D1

<400> 2826

tgttatttgc cnggccggtc canaattaac gggtcgacgc acgcgtccgc ccacgcgtcc 60

gcatttttct ctcttccata aaacccaaaa gaaactagga agaggagtaa ataatatttg 120

ttttaaagaa atgattctcc acaaaatggc gttcttggcc gttattctct tcttcttgat 180

aagcagcagc agcgtttgcg ttcatagccg tgaaacgttt gcttgcgata caaaggacgc 240

agcaacagct acactgagat tctgccagct ttcagttcct ataccggaga gagtcagaga 300

tttgatcgga cggttgacat tggccgagaa agtgagcttg ttagggaaca ctgcggcggc 360

gataccacgt ctaggaatca aagggtacga gtgggtggtc ngangcttac acggcgtttc 420

aaaatgtggg acccggtacn aagttccggt ggggtttacc ctgcaaccaa caantttttc 480

ccccccccc 489

<210> 2827
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-D10

<400> 2827

gcaagacgcg tgggtcggtg ttgataaatt caacatctgg taacgcagag agagatgcac 60

caccgaatct aacacttaga ggattcggtt tcgtggaaag gattaaggct cttcttgaaa 120

aagtgtgtcc taagactgtt tcttgcgcag atatcattgc tttgactgct agagacgcag 180

ttgtcgccac cggangtcct tcatggagtg ttccaacggg tanaagagac ggtangatct 240

caaataagac ggaggctact aataacattc cacctccaac gagtaatttc acgactttac 300

aacgactttt caaaaaccaa ggccttaatc tcaaaggacc ttgttctgct ctctggggct 360

caacacgaat tggcggtctc acantggtcc ttccaatgaa ataacgcgnt tctaaaa 417

<210> 2828
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B11

<400> 2828

gctttttggc actcatagga ataacagcga accaaggatt ttacttgttg ggactggaca 60

acacttcacc aacatttgct tcctccatgc aaaactctgt tcccgccatt acctttctca 120

tggctgctct tctcaggatt gagaaagtaa gaataaacag aagagacggt atctccaaaa 180

tcttaggaac agctctttgt gtcgccggag cttccgtcat caccctctat aaaggtccaa 240

ccatctacac tccggctagc cacctccacg ctcatctact caccacaaac tcccgccgtc 300

ttagcgccgc taaggaaacg ccgcgcctaa aaactggacc cttggttgca tctacctaat 360

cggtcactgt ctctcgtggt caggctggct tgttttcaaa gctccggttc ttaagtctat 420

ccagcgangc tctc 434

<210> 2829
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-G9

<400> 2829

ganagaacat aaggaaaagc tacaaaggcg tgactgtgct taaagatgtg acatgggaag 60

tgaagagagg tgagaaagta gggttagttg gtgtgaacgg agctgggaag acgactcagc 120

tcaggattat cactggtcaa gaagagcctg attctggtaa cgtaatcaag gccaaaccca 180

atatgaaagt agctttcttg agccaggaat ttgaggtttc gatgagtaag actgtgaggg 240

aagagttcat gactgctttc aaggaagaga tggagattac tgagaagctt gagaaagttc 300

agaaggctat tgagggatct gttgatgatt tggatcttat gggaaggtta ttagatgaat 360

ttgatttgtt gcagagacga gctcaggctg tgaatttaga ttccgttgat gctaagatta 420

gtaagttgat 430

<210> 2830
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-H1

<400> 2830

gaaaggaaag agtcaaagtt gaattttctc agctctcact ctctttttct ctctctttac 60

ttctactgta tcaagaagct ccgttttgct tagccatagt gcgtctaggg tttggttggt 120

gggaagaagg ttccgatcat ggcgtcggtg tcgtcgtcgg atcaaggacc taagacnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

atgttgttgt atagaggttt taagaaggcg aagaaggaga gaggttgtac agctaaggag 300

cgtattagta aaatgcctcc gtgcactgct gggaaaagga gttccatata ccggggagtc 360

accaagacat agatggacag gtcgttatga agctcanctt tgggataaga gtacctggaa 420

ccaaaaccag aacaagaagg gaaaacaagt tta 453

<210> 2831
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-H10

<400> 2831

ggaaagagaa gaacttgaaa ctcaccaaaa acattgatca ttatacacaa tcgtgatgga 60

gagttcttcg aattccgacc aaaatgaggg aactccgacg agctctgttt cttcgccgta 120

ccggagaaca tactcagata tccccggatt atctcaccgg ttcgacgttc agagctttta 180

taaccggccg tcaaacacta acgctgttgt cttgagtggc catgaagaag atgtctccga 240

agacgccgag gaaccaaaag atgatgtcgt caacgacgtc cacggagatg gagacgaaga 300

agacagcgac attgattctg cagaagatgc agagctagag atgatgaggg aaagatttgc 360

gaagctgttg cttggtgaag acatgtcagg aagtgggaaa agganttgta ctgctgttac 420

tgtgtcaaac tccat 435

<210> 2832
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-023-Q1-E1-H4

<400> 2832

ggaaaaatca gccgagcaga ttgatgccga tactgctgta gttggtgacg acggtgaagt 60

agattttaaa ggtgaggcta aatttgcaca acatatgaag aagggagaag ctgtgagtga 120

atttgccatg tcaaagacca tggcagagca acggcagtat cttcccatat tttctgttag 180

agatgaacta ttgcaggtaa taagagaaaa ccaggtgata gtggtggttg gcgaaactgg 240

ttcgggaaag accactcaac ttacacagta tcttcatgag gatggttaca ctataaatgg 300

tatagttggt tgcacccaac caaggcgtgt acagccatga gtgttgcaaa gagagttagt 360

gaagagatgg aaacagagtt gggcgataaa attggttatg caattccgtt ttgaagatgt 420

aactggtcca aacactgtta tcaagtacat gaccgat 457

<210> 2833
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A10

<400> 2833

gattcgattc agaatcaaac catttttgaa gaaccctaaa agttctcttc ttcccccaaa 60

tttgaatttg ttcttgcaat cggattcgaa atccgaaagt cttagtctcg aatttgagct 120

caacagtttc ttatggctcc gaagaagtct gaaggaatcg ctttgctttc cgtttacagt 180

gatgaagatg acgaagagat ggaagacgcc gaggaagagg aagaagagga tgagaagcag 240

agaaatcagg aagagagtga aaaaataatt gaagaagatc aggtagaaga agcgaattat 300

atggatgaag aagagaaagg aagaggagga gaagattcta gaacgccgag gctattagat 360

ggtgttggag cttcntctag tgctcatggg actcctcgtt cacttgataa cgatgaatca 420

tcgagacctg attggngtt 439

<210> 2834
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A12

<400> 2834

gaatcgaagc aaaactctgc ctctagttcc gtagaattca ccggagactg aacaaaaatc 60

ccgtgagttt tttagttttc cgttacattc tctgtctcaa ttctgaaact tttcacatgg 120

gttgtgctca aatttccttt ttaatggttg tcgagattta tctataaagt caatgatctg 180

ggtttgatca aagtctcaat ctttctctta aatttcgaat atttgatgat cccacgagtt 240

agtctctcta aatctgatct ggctatgctt aatccgccac attgttgctc tcaagctctg 300

gatttgattg tatcatgaaa agttatccaa ttgggttcna gtaagggcat tcaatngcgt 360

aactccaaga aagccggtgg attttcgatt taaaaatcag ggagggaact atcagaaaat 420

cangaaaggc 430

<210> 2835
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A2

<400> 2835

ntgtctacgt tggtccgtgn ccgtgtccaa aattaacggg tcgacncacg cgtccgncac 60

tctccaccac cacccaagaa gcactacgtg tacaaatctc cccctcctcc agtcaagcac 120

tactctcccc caccggttta ccattcccca ccaccaccaa agaaacatta cgtatacaag 180

tcccctcctc ctccggttaa gcactactct cccccaccgg tttaccactc accaccacca 240

ccaaagaaac attacgtata caagtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatacc actattagat atctctatca 360

cggagaacac gatgtacaca agaagacaaa gacaagacga aaccaagtac tggtgattgg 420

tataagagaa acaaaagatg aaagaagaag aatccaagca gagaaaagct ttctcatcaa 480

ttttccaaaa aagggggnt 499

<210> 2836
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A3

<400> 2836

ctgttacttt gccnggcccg gtccagaatt aacgggtcga gccacgcgtc cggattactt 60

tctcaagact ttcaatagta ctcagttccc catttgataa gctccttaac atgagtgagc 120

tcaccancag cttcgtattt agcactatat tcaatgggga actgattact ttctcangac 180

tttcaatagt actgctgatt ccattgatga tcttgtgtca caggttggat cagggaatac 240

tgatgatgga aatacagatc ctaatgacca ttactgttgg atgcgacctg aggatatgga 300

ctataaaagg cccgtgacta cttgtaatgg tggatgttcg gatctcgctg cagagatggc 360

agctgctctg gcttcagcat ctattgtatt caaggataac aaggaatatt ctaaaaagct 420

tgtccatggt gctaacgtgg tgtatcagtt tggaaggacg aaggagangg gagatataa 479

<210> 2837
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A4

<400> 2837

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cacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga 120

tctgtgagtg ccnttatcgt tgagagatta tgttgacaaa gttcgaaacc aaaagtaaca 180

gagttaaggg actgagtttt caccctaaac gaccatggat tcncgcgagt ttgcacagtg 240

gcgtgatcca gctcngggat tatcgtatgg gtactttgat cgatagattc gacgaacacg 300

aaggacctgt ncgtggtgtt catttccaca attctcagcc tctcttcgtc tccggagggg 360

atgattacaa gattaaagtg tggnactaca attnccacaa ggtgccnttc actcatcaan 420

ggcatcntga tatatccgca cggttcagtt caatcatggn 460

<210> 2838
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A5

<400> 2838

gaactctctc cgtagtctga gactcgccgg aaaagcttgt attggcttct cttcgatttc 60

tggcggaagc aaggatatca cgtgagctat gaagttcctc atgcaatcca tttctgggag 120

gaatcgatct ctggttcgag ctctagttag tcggcgttac ttcgcttcat cgccggagga 180

aatcgcaaag atgaaattac gccancgatc tgtcngaata caacaccgct gtcaactccg 240

tcacagctca ncgcaggcac tatttgctga nggatgttta tgatgatatg aagcttgatg 300

gtgtgcagcc tacagctgat atcttccatt caatttgtcc tggggaacga tgaaaggtgc 360

tccggttaaa ncgatncggt ccttttttccn gggaaagaaa atntaaagcc atgggggaat 420

tgccccaaaa tgttgaaaac cccnttttttg gg 452

<210> 2839
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A6

<400> 2839

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gagatcatca ttctacagtt tcaagaagat accatttcca agactatctg attatctgca 120

cttgtagtga aactgtggaa gaagcaaaaa tggggacttt gagtaaggtg ctatgtctca 180

tgctgctttg ctgtatcgtg gctgctgctg agggtacttt gaagtacaag gacccaaagc 240

agcctttggg tgcaagaatc agagatttga tgaaccgtat gactctacaa gagaagattg 300

gtcagatggt tcagatcgaa cgcagcgtcg ctacacctga agtcatgaag aaatacttca 360

ttgggagtgt tttgagtggt ggaggaagtg tgccctcgga aaaactactc ctgaaacttt 420

tgggggggg g 431

<210> 2840
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A7

<400> 2840

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tcacacacac ttctcctacg tccaaaactc tccaccaacc atctgttgcc acgtggtgga 120

aaaccacaga aaaatactac aaactcgcaa cacccagcaa aaactcatca cctctgtctc 180

taactctcgg gaaacaaatc atcgacgagt cttgctctct aggaaaatct ttaaccgata 240

aaaagattca aaccctagct tcgaaaggag accaacgcaa cgccatcaac gtcgttttga 300

cttcagctga cgttacggtt acaggatttg gtatgagtcg ttgcgggact cacggacacg 360

ctcgtggttt angtaaacgt ggctccaagt ttgcttacat ttgggttggg aaactctgag 420

acacaaaatt gggtt 435

<210> 2841
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-A8

<400> 2841

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taccagttat cgacatcagt cctttactgg ccaaatgtga tgatttcgac atggctgagg 120

atgcgggggt tgtggaagta gtcggaaaac tggacagggc atgtcgggac gtcggattct 180

tctacgtgat tggtcatgga atatcngatg atcttataaa taaggtgaaa gagatgacgc 240

atcagttctt cgagcttcct tacgaggaga aacttaagat caagattact ccaactgctg 300

gatacagagg ataccanata attggagtaa attttacgag tgggaaacaa gatatgcacg 360

aagccattga ctgttacagg naagttcaag caaagggaaa catggggana tccggaaang 420

ggccctttt 430

<210> 2842
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-024-Q1-E1-B10

<400> 2842

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ctgagatgtc tccggaagct tacgttctgt tctttaacag ttttaacctc gtaaccttcg 120

aagcctttgc ttcagtctca cttatcatag ccacagttgc tttcttgctc tcaccaggtg 180

ggctcgcatg ggcctggacc gggtcatcca agagtcgggt ttcgattcca ggaccatctg 240

gttctctttc cgtcttctcc ggctccaatc cccaccgtng ttctcgccgc tcttgctaaa 300

cgcttcaagg cctctccgtt gatggcgttc tcagttgggt tttcgcgttc gttatctcta 360

gtgaaccgga gacggctaaa gagattttga gcagctctgc tttgctgaac gggccggtta 420

aggaatcaac ntaa 434

<210> 2843
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-023-Q1-E1-G4

<400> 2843

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atggacaact gctgctggtt tgttaattgc cgggtaccaa tcgcctgtta gaggatgtct 120

attggcttca ccacacgaac attgatgcag agtacgtagt aattcttgat gctgacatga 180

tccttcgtgg acccatcaca ccttgggagt ttaaggcagc tcgaggccga ccagtttcaa 240

ctccttacga ctatcttatt ggatgtgata atgaccttgc aagacttcac acgcgtaatc 300

ccgaggcttg tgataaagtt ggtggagtca ttataatgca catagaggat ctccggaaat 360

ttgcaatgta ctgggttgcn taaaacccaa gangtcgagc agacnaagaa cactacgggg 420

aaggagttaa ctggggatat atatgaatcc ngt 453

<210> 2844
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C9

<400> 2844

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aacaagaggc agaaggaaaa aaaatgtgga ggtcattcgc aagaagcttc aaactcatta 120

atgtaccaaa tggtttgata tccaagccaa ttcgctctac tctcctctat tcaacttctt 180

caagaaagtt agaaggaaaa gtagcggtca taaccggcgg ggcaagcgga atagggaagg 240

ccacagcgga ggaatttgtg aagccaaggt gcgcaagtga ttatcgtaga tatagatgaa 300

gaaggctggt catatggtcg cgaccgaact tggctcagcc gcacatttcn taagatgttg 360

atgtcactga ngaagaacaa atccctaagg cgttgagaac gccgtgactc ctcatnggna 420

actcgacgta atgcnaatat gc 442

<210> 2845
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-D1

<400> 2845

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taatcgaaga acctcaccgt aagtccactg agggattcaa gttcttgctt tggtttannn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtcaaacc 180

aacgacggag ctggagctgg agctgttacg acggtagaat ctgttcctcc tcagcctcaa 240

tctcagcctc agcctcagcc gcagcagcag agcaacgaga tggttctgca tacgggaagc 300

ttgagtttta gtagtcatat gtcgagagaa gacgaagaga tgactcgttc tgctctttcg 360

gcgtttagag ctaaagaaga tgagattgag aagaggagga tggaagttcg tgaacggatn 420

caagctcaat tgggtcgggt cgaacaagaa ancaaacgtc tctctactaa tcgtgaagga 480

gcttgagtcc aaggna 496

<210> 2846
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-D2

<400> 2846

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ggctgatcaa actacgaaag cgttatctga attagccatg gattcttcta ccaccttgaa 120

tgctgctgag tctagcgctg gtgatggagc tggacctcgg agtaaaaatg ctttgaagaa 180

ggaacagaaa atgaagcana aagaggaaga gaagagacga aaggacgaag agaaagctga 240

aaaggctaaa caagcaccta aagcaagctc ccaagaaggc agtggcagca agatgatgaa 300

gagatggatg caacgcaata ctatgagaac agattgaaat atcttgcggc tgagaaggct 360

aaaggggaaa atccatatcc tcacaagttc gctgtgtcaa tgtcgattcc taaaatacat 420

ttgagaacnt atggtagttt gaacaatggg gatnaagt 458

<210> 2847
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-D5

<400> 2847

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ctggagggag aggtgtaccg atcagagatg tcttgggaaa cagcaaaatg attcttggat 120

tgctcgaagg aattcccacg atgcacaagg gtgaaattgc aatgttcaag atgaaacctg 180

aaatgcacta tgcagagatt gattgtccag tctcagctcc agaaaatttt ccaaaagatg 240

atgagcttca ttttgagatt gagttgttgg atttttctaa agccaagatt gcaagtgatg 300

atctgggggt catcaagaag attctaaatg aangtgangg ctgggaatct cccaaganaa 360

acctatgaaa gttgaaaanc agaatatccn gctaaatccg gtgattgnca cgtgattctt 420

ctctcacaca ggaaagaacc cttaatttcc ttcacatttg ggaaaatcct g 471

<210> 2848
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E1

<400> 2848

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acctctgcat tccacattcc ttctctgcta gcaacaatag ccgcagcgcg ttaaagtact 180

gtaaagatca atctaaaagc aggaagagtg gccttagcac ctggcaaatc gtgctaatag 240

cggtcttatc gtctttatta gtcttggttg tggtccttgc tcttgttttc atttgcctac 300

gtcgtcgcaa aggaagacca gagaaagatg cttatgtctt cactcaggag gaaagnccat 360

ctttgttgtt gaacaaagtt cttgcagcaa ctgacaatct aaatgaaaag tacancattt 420

ggnagaagga gctcaaggga attgtgttca anagncttcc tttaggctcc cgga 474

<210> 2849
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E10

<400> 2849

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aactcaagat ctcaacgccg acagaaccgc tcttctctct ctccgctccg ccgtcggagg 180

ccgtacattt cgctggaaca tcaaacaaac ctcgccgtgt aactgggccg gtgtcaaatg 240

cgagagtaac agagtcaccg ctctccgctt anccggcgtt gctctctccg gtgacattcc 300

agagggtatt ttcggtaact taactcaagc tccgtacact tagccttcgt ctnaatgtct 360

ctcnggntaa atcccnaaga tttcaagaac tcttccaaat ctccgaaaac tttacttaaa 420

anggaaaaa 429

<210> 2850
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E11

<400> 2850

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cactgtggga ttagtcatac aggaagtttc aaggatcttg gaatgactgt tttggttagt 120

caagttaatc gtctgagaaa gatgaaacga cctgtggttg gtgtcggatg tgcttccacc 180

ggagatactt ctgctgctct atctgcttac tgcgcctccg ctggaatccc atcgattgtg 240

tttttaccgg cgaacaagat ctctatggct canctggttc agccgatanc taatggtgcc 300

ttttgttttg agtattgaca ctgaattttg atgggtgtat gaaaccngat taaaagaaaa 360

taacggccgg gaattgccca attaatttgg ggnaaatc 398

<210> 2851
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E2

<400> 2851

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agtttacttg agtttgttag tatttatggc tgaggtggga aaagttctgg ctagtgatat 120

ggagttagac cattcaaatg agactaaagc agtggatgat gttgttgcca ctactgataa 180

agcggaggtc ataccagtgg ctgtaactag aactgaaacc gttgttgaaa gtttggaatc 240

tactgactgt aaggagcttg aaaaacttgt tccacatacg gtagcttcgc agtcggaagt 300

agatgttgct tccccggtat ccgagaaagc accgaaggnt tctgaaagta ccggtgcaat 360

ancnttgcag tctggttcng aaaggaataa tccctttaat cntgagaaag gtatggaaga 420

cggtacaact ggcgggaata tngacagaaa 450

<210> 2852
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E3

<400> 2852

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atgatggatg tttccagcag atttgatgag ctgctcgaaa ggatccttgt ggaacatgaa 120

gataaactgg acatgcatca tcaaggtaca gacttagtgg acgcgttgtt ggcagcttgt 180

cgggacaaaa atgcagagta taagatctct aggaaccata tcaagtcgtt tttcgcggat 240

ctcttatttg caagcactga cacctttgtg caaacaacac agtggacagt ggcggagatc 300

attaataacc ctaatgttct tgagagattg agaggagaaa tcgattccgt ggtcngggaa 360

agcaangttg attcaagaaa ctgatttgcc aaanctccct tatttgcaag cggtggtcaa 420

ggaaaggcta agactgcatc cgccggggcc tccccttttgc aaggttcn 468

<210> 2853
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-022-Q1-E1-E4

<400> 2853

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tgggttttct ctttggtttg ttcataggaa tcgcggtttc tttcggtttg gtcgtcgcat 120

ttgctcgcta ctctagtgtc agatccactc gtcgagctga tttggcaaag accattgctg 180

catttgcaag aatgacagtt caagattcga gaaaacttct cccgggagat ttttatcctt 240

cttgggttgt gttttctcag agacaaaagt taaattggct taatcttgaa cttgaaaaga 300

tctggcctta tgtaaatgag cttctgagct gattaaaagc agtgtggaac cagtacttga 360

acagtataca ccagctatgg ttagcatctc tcaaagttct ctaaattcac acttggggac 420

cgggggccct caagttcaca aggagttcca acctaaaaag tgaaag 466

<210> 2854
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E6

<400> 2854

gcccacgcgt ccganacagt gacatttttc tacaanaagc tgttgctana tataaggggt 60

ttctctatct gataaagatg aacagagaaa ggtctttaaa aaggttttgt gttccgactt 120

acgatgttga ccttatctgg cacacacatc agctgcaccc agtttcttac tgtgatgata 180

tggtgaagct cattggtaaa gtgttggagc atgatgacac agattctgac cgaggcaaag 240

gtaagaagct cgataccggt ttttctaaga ctactgcaca atgggaanag acattcggta 300

caaggtactg gaaagccggt gcaatgcata gaggcaagac actgttcctg gtcacaaatt 360

ctccttatgc ttctgatgtt ttggtcaaag acccaactgc aaaagacgat ttccagaant 420

taatccaaat tcccaagngg tggaanttgt tgaaggtccc cctgg 465

<210> 2855
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E7

<400> 2855

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ctttcttggt ttaagaagat tcgttgttga atcagagaga aagaaagcat ccatttttct 120

atcattgctt gcttgctatg gaattgggta aatctcgatt ctacttatgt tgcaattgct 180

tttctcctgt tagattttcc gattattctt tagctggaag tgattatcca gacgccatct 240

ccatcacttt caattgtatt cctatacctt cttctgaaga ttcttcgtat ttctcgattc 300

gatgtttata aacttcaaaa ttctcttcca aatcttgaaa acgaaatttc tcccaaaaaa 360

atctcctggt ttcctcaaca aggnnaacaa naanaaacaa tggttggtgg tggcaatcaa 420

ccntccgcct tggctccntt tgggggtccc tcccttcctt caannctaat ggggtgaaac 480

taaagggnct tccttcaaac aaagtggtcc aaanaattt 519

<210> 2856
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-E8

<400> 2856

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ccgagtcttc ccagcttcca aaccaccaac cgccactaat ggagctccac cagttggttc 120

cataccacct cctccagctc cggcgactgt aaccagcaac ggaacaacaa acggaatggc 180

taatcagaaa cctcaagtct acattccagc taaccgtccg gtttaccgtc cacagcctta 240

cagtcgccgt catcaccacc aatctcgacc aagctgccga cgaatttgct gttgttgctg 300

tttctggtcg attctgataa ttctgatctt agctctcatg actgcaatcg ccgccaccgc 360

gatgtacgtg atctaccacc ctcgtccgcc gtcgttctcc gtcccgtcaa taagaatcag 420

ccgcgtgaac ctaacaacct cctccgaatc ctccggttnt caa 463

<210> 2857
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C6

<400> 2857

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tggcggaagt atcagcaaaa tcggtgacgg ttgaggaaat ggcggaagag gacgacgctg 120

cgattgagga gcggtggagt ctttacgaag cttacaacga gttacacgct ttggcgcagg 180

aattggagac gccgttcgaa gcaccggcgg ttcttgtggt gggacagcag accgacggta 240

aaagtgcgct tgtggaagct cttatggggt ttcaatttaa ccatgtcggc ggcggaacca 300

agactcgtcg gccgattact ctccatatga agtacgatcc tcagtgtcaa ttcccgcttt 360

gtcatctcgg atctgatgat gatccttccg tttctcttcc caaatctctc tcacaaattc 420

aagcataata ttgaggctga naacatgaag gctggancaa g 461

<210> 2858
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-A7

<400> 2858

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tgatctctct tcctccggaa aaagatgtcg gccggtaacg gaaatgctac taacggtgac 120

ggagggttta gtttccctaa aggaccggtg atgccgaaga taacgaccgg agcagcaaag 180

agaggtagcg gagtctgcca cgacgatagt ggtccgacgg tgaatgccac aaccatcgat 240

gagcttcatt cgttacagaa gaaacgttct gctcctacca caccgatcaa ccaaaactcc 300

gccgctgctt ttgccgccgt ctccgaggag gagcgtcaga agattcagct tcaatctatc 360

agtgcatcgt tagcatcgtt aacganagag tcangaccaa aggtggtgag aggagatncg 420

gcggagaaaa agaacgatgg gtcaactact ccggcgtacg ctcaa 465

<210> 2859
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-B1

<400> 2859

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agctgatacc tccggcgagg cgtgatggat ttttgtatcc accgggtcgg aaaatcgacc 120

gggatacgat acttatcgag gcgtatattg acccggtttg tccggattgt agagacgctt 180

gggagccgct aaagctagcg attgatcact atggatctcg cgttgctctt gttcttcacc 240

tcattccttt acccttccat gacaatgcat ttgtagcatc tcgggcttta cacatcgttg 300

ataccttaaa cgccaatgcc acgttcaatt tgctggaagg gatcttcaaa gcatcagaca 360

ttgttctaca actcgcaaac acaactcaag tcaagacctg cagttgtggg aagaattaat 420

caagccttgg aacantacgt taggaaactc atatcaantc 460

<210> 2860
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-B11

<400> 2860

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aggtcctaca actgtgaatg ttcgtatcac tggtctcact ccagggcctc atggatttca 120

tctccatgag tttggtgata caactaatgg atgtatctca acaggaccac atttcaaccc 180

taacaacatg acacacggag ctccagaaga tgagtgccgt catgcgggtg acctgngaaa 240

cataaatgcc aatgccgatg gcgtggcaga aacaacaata agtgggacaa tcagattcct 300

ctgactgggt cctaattctg ttgttgggaa aacctttgtg gttcacgaac ttaaaggatg 360

acctccngga aaggggtggc catgaagctt aatcctgacc actgggaaaa cgcaggcggg 420

aanaattggc atgttgtgtg aattggc 447

<210> 2861
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-B2

<400> 2861

gaaacggagc ctattggcaa aggaaagaat ggcaaggacg tcttcttaag agatatctgg 60

ccaaccacgg aagaaattgc tgaggttgtt caatccagtg ttttgcctga catgttccga 120

gcaacgtacg agtcaatcac caagggtaac cccatgtgga ataagctgtc tgttcctgag 180

aataccctct actcatggga tcccaactca acttacattc acgagcctcc atacttcaag 240

gacatgacca tggatcctcc tggtccacac aatgtgaagg atgcttactg tttactcaat 300

tttggggaca gtatcaccac tgatcacatc tcaccanctg gggaacatcc aaaaaggaaa 360

tcctgctgca aatttctcaa gggagcgtgc gttgaccgtt angncttcaa ctcatatgga 420

agtcnccgtg ggaatgatga aataatggca anaggtactt 460

<210> 2862
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-B3

<400> 2862

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acgctagaga caacgaagcc tacgaggagg agctcttgga ctatgaagaa gaagacgaga 120

aggtcccaga ttctggaaac aaagttaacg gtgaagccgt gaaaaaaggg tacgtgggaa 180

tacacagttc tggattcaga gacttccttt taaaaccgga gcttctcaga gctattgttg 240

actctggatt tgaacatcca tctgaagtgc aacatgaatg tatccctcaa gctatcttgg 300

gcatggatgt catctgccaa gcaaagtctg gtatggggaa gactgctgtg tttgtcctgt 360

ctactctaca acagattgaa ccatctcctg gccaagtttc ctgcacttgt ccttgtgcca 420

tacaaagaga gctagcttac caagattttg caatgaantt tgtgg 465

<210> 2863
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-B4

<400> 2863

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acgctctatc tgagcttgaa tccgctttct atgctcttgc caccgacgat gatttccaga 180

gagagttggc tggaatcttg aaggactatg tgggtagaga aagtcctctg tattttgcag 240

agaggcttac ggagcattac aggcgcgaag aatggcgaag ggcctcttat atacttgaag 300

agagaagact tgaatcacac aggagctcac aagattaaca acgctgtggc tcangctcnt 360

cttgctaagc ggtttgggga aaaagaggat tattgctgag acaagaaccg ggtcaacatg 420

gtgttggcta canctancng gttttgcccg ttttggggtt ggattggtat aa 472

<210> 2864
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-B7

<400> 2864

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gccgctctaa gactttccat aactcccact ctcgctatcg cctctcctcc ccatctccgt 120

tggttctcga agttttctcg tcaatttctc ggcggacgca tctcttcact ccgaccacgc 180

attccttctc cgtgcccgat tcgactctct ggtttcccgg ctctcaaaat gagagcttcg 240

tttagcagtg ggagtagtgg aagtagtgca agtagagaga ttctggtgca gcatttgctt 300

gttaagaata atgatgttga agctctttgc cgaactccaa aagaaattct tggatggaga 360

agagatgaat gatcttgcgg ntgagtaatc caatttgtcc ctccaaaaaa aggacggtgg 420

naatacntgg gatnggtaaa actggggtca aatgggnaca aga 463

<210> 2865
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C1

<400> 2865

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gaggacatgt cttgcttact gttttcactc tttgtatgct ttgttcaggg gttagggcac 120

agctaagccc tgacatttat gctaaatcgt gccccaatct agttcaaatt gtccgtaaac 180

aagttgccat cgccctgaag gccgagatac ggatggctgc ttctctcatt cgtcttcatt 240

tccacgactg ctttgttaat gggtgtgatg cgtcgttatt gttggatgga gctgacagcg 300

agaaactcgc gatcccaaac attaactctg ctagaggatt tgaagtaatt gatacaatca 360

aagccgctgt ggaaaacgca tgtcctggtg ttgtttcctg tgctgatatc ctcactttgg 420

gcgctcgtga ctccgttgta ttgagtggan ggctgggtgg aaa 463

<210> 2866
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C10

<400> 2866

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ggtcgtcgtc gcgatcttcg ttttttaggc ctaagcttcg aatcgatcca agcttgacct 120

taattccagg cttatccaac gacgtcggga gactgattct ctccttcgtc ccttaccctc 180

acatctctcg tatcaaatca acctgtaaat catggtacgc tttcctctct tccaaaaccc 240

taatttcact ccgccatagc aganacaaca gcancaccaa caatctctcg catctccttt 300

gtatcttccc tcangatcct tcgatttcgc ctccttttct cntcgattcc gtgactcact 360

cttggggatc gcntcctcct atgccttgta ancccncacg atttacnggn actggaattt 420

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<210> 2867
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C11

<400> 2867

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tgggttgatt aatgagaacc ctatcattta cccaaagaaa gagaggcgtc ttcgtactga 120

tacaagcatt actgatgagc ttacaccaga accaattgat caacttgaga tttttgatca 180

tataagagat atcaaagatc cagagcatcc taatactctg gaagatctca gagtagttac 240

agaagactca gttgaagtgg atgatgagaa cagttatgtt agggttacgt tcactccaac 300

tgtcgaacat tgtagcatgg caaacgttat cggtccttgt gtccgtgtga aacttctacg 360

aagccctccc tctcatacaa gantgatata aggggtacaa ctggttcnca atgcacnaga 420

agatgcattg gataaacaa 439

<210> 2868
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-022-Q1-E1-C12

<400> 2868

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gctcaactca gaaagattat tcgttatttt atgagcaaca aaagctttaa gagtagtgat 120

ggagttctca accacgcaaa tagtttgctt gctaaagcac agtcaaagct ggaggaagag 180

tttaagcagt tgctagcttc ttacagtaaa gcggtggagc ctgatcgcct atttgatggc 240

cttcccaact cactgagacc atcctcagac ggggatggag gtggaaaacc ccacggagga 300

catcacaatg atgacgcgga aactgctgct tatacacttc caatcctcat tccgtcacgg 360

gtgttgccac ttttgcatga cttggcacaa caaatgggtc aaggctgggt caccaacaac 420

agtttgccta caaaatttat agggacac 448

<210> 2869
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C3

<400> 2869

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atcataagag ttctcttctt catctgtgat tcattccgtt gttacccgcc aggcaccagc 120

caccgtactt tttctctctc cggcaaaatc cgagtctaaa aatgacgagt aaaagcaaaa 180

tcctgttcat cggaggaacg ggttatatcg ggaaatatat agtggaagcg agcgcaagat 240

ctggccaccc aaccttagtt ctcgttcgaa attcgacgct cacaagccct tcacgatcct 300

ccaccatcga gaatttcaaa gaacctcggc gttcagtttc tcctcggaga ccttgacgac 360

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aactccctcc ntggggacat ca 442

<210> 2870
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-C4

<400> 2870

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aattagttgg tctgcggcgg cgccttcgtt ggctgtggcg gaggaggaat ttgaggagga 180

gaattgggct tcggtggtgg ataatgaagc tggagagagg ttgagaaaaa gagaagcaga 240

ggaagaanaa nanangagga tgaagagaaa ggagaagaaa gttagctact ttagtgatga 300

gagtgatgat gaagattanc ttcttagatt cantttatgg tttgtgaata ctgaaagana 360

gagattgatc aaagttcagg aacaaattac aatcttcngg tttccgtcnt cgtatgtgat 420

catgtttgat gactccgggt tgttccgtcc tgagtgatat anttcctngg gnttgaanaa 480

tacattgntg gttcaacaan gnaattttta actcccttga ttttaana 528

<210> 2871
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-A4

<400> 2871

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tctgcgtttt tgtttatctc tctgtattat ccgattaatt taaaggagtt ctttgaaggc 120

agctgcttct atgccatatt gccgagaaaa tgggcgagtc taaggggtgc gggaatgttg 180

gacgaatgat ttcgaagaat aagtctgcga attcttataa cctctctctt canttgtctc 240

ctgttgtttc tttctgggat tgtattgtcc gcaccatgag gtattcctat ataccanagt 300

gggtgtagtt cttgagttcc tctacaacat catcgagttt aagtgcaatt ttttaagtta 360

gaaatttata gtcaagcant aaagggatna cacggggtgc aagcaagttc agccagtcgt 420

taaggaaagc gaaagaaaaa acaatggtaa aagatgaant t 461

<210> 2872
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-E2

<400> 2872

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atctcgtctc gaggctaacc atagacgaga agatctcgca gctggtgaat acagctccag 120

ggataccgcg tcttggagtt ccggcgtacg aatggtggtc agaagcttta cacggcgtag 180

cctacgccgg tccaggaatc cggtttaacg gaacggttaa agctgctacc agctttcctc 240

aagtcatctt gaccgctgct tcattcgact cctatgaatg gttccgcatt gctcaagtta 300

taggaaagga agcaagagga gtgtacaacg cagggcaagc gaatggaatg acattttggg 360

caccaaacat taacatattt agagattcac ggtggggaag angccaagaa actcccggcg 420

aaggattcga tgatgaccgg aacttacgcg gtggcttacg ttagaaggac tacaangtga 480

ctcctttgac ggtccggaaa acactctcca atca 514

<210> 2873
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-E3

<400> 2873

taccctgccn gtaccggccc gaaaatcccg gatccaccca cgcgtccgga tttttgatat 60

aaggtttgaa atcatggagg tcgttgatat tgatgcccga gctgctaagt tagggattga 120

ttggtctcag gttaattttg attccatcca acttcctcct ggagaagact ttgggatcga 180

gagtgatgat gaagctgttt accaggatga ccagtctgaa ttcgacactg gattcggtaa 240

cattatcgtg gtcgatcacc tccctgttgt tcccaaggag aagtttgaga aacttgaagg 300

tgttgtcaag aaaatttaca accagttagg tgtgattaag gaaaatggac tgtggatgcc 360

tgttgatccc gataccaaga tgacattggg ctactgtttt attgagttca acactcctca 420

nggaagcaca aaacgctaag gaaaagtctc atggctacaa attgggacaa atcctcacaa 480

tctttgctgt aaacatgttc cgatgaat 508

<210> 2874
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-E8

<400> 2874

gggaaaatga tagtgaagtt aagaaagtat atatgtgaaa attaaattca gttgagcgta 60

aatagaaaac ccttacaaaa aaccaaatcc ctttcttatt tttatttttg tgccattttc 120

tatatatatt aaaaaaaaaa cattcttata atctgaaatc ggaaaaattc acttcactct 180

cttcgttttg cgtttttttg tgtgtgtgtt ttaaatatca aagccatgtt ttgggtaagg 240

aattaaagag caaaaacctc gattccgatt tcaaatattc gaaggtgaaa tttcttcatt 300

ttctgcgaat ttggtagcta tcacgttctc aatctggtga attanggctt ttgttgagct 360

gtggaagcta atgatgggtg tacccaccgc tgangaaggt ggggtttctc tttgttgcta 420

tgtcttgaaa ccttagtttg ctttt 445

<210> 2875
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-F3

<400> 2875

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ctaacaccac tcttcctatg gaatggctgc ggattactct ccctgacttt atgaaagaag 120

cgaggaatac tcaagaagcg atatctggtg atgatatcgc tgttgtctcg ggtttgtttg 180

ttgagcagaa tgtgtctaaa gaagagagag agcctttgct tacttggaac cgtttggaaa 240

gtcttgttga taatgcacag agtttagtta atggagttga tgctattaag gaagctggca 300

ttgtttggga gagtcttgtg tctgctgttg aagctaaaga aactaattga tgttaatgaa 360

aatcagacga ngaaaggaaa agaagagctt tgtcctcagt ttccaagcaa aatgaatgct 420

actgaagctg atgggaataa tcctgaaatt gcaaatt 457

<210> 2876
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-G5

<400> 2876

canacgtccg gagctttttc gtttcccatc gggaagaaga aactcatata taccttccaa 60

aaaatccata cgtcaagtat ttgttctcta tcctctcttt gttgtcttat aaattcttca 120

agcaggtttc gagatttcct cgaatctgtt ttgttcttgt tcctcaaaaa tgctgggttt 180

ttgaacgaac gaggatgacg atgctcaaag tccgaagcag agatggattg ggagaagagt 240

gagttgtaga tggacctcat atcaaaagtc tcccanctca aaaccctaat cccaaggatt 300

angctttcag gtttccctat cccacaaacc naaanccttt nntccaacca aattagnaaa 360

cccttnctcc cttcgcctaa aggaaggccc ctttcnggaa ttttccctaa gcggttttta 420

aanccgnaca aatggggccc ggatttncct naaacccttc ccgggaaatc ctccgggttc 480

tcctccaaat tccctaannc tttnnagggg ggttnccaaa tgggggc 527

<210> 2877
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-G7

<400> 2877

caancgtccg caaaaatctc ccaaactttt aaaaagttaa ccaaaacccc caaacaaaaa 60

aatgagaaac aatttcgtcc ctataattct ctccttcatc atcttcttga ctccatnaat 120

cgcagaacaa gaaccttcaa ttctttctcg cgtcgatcaa ctcctcaaca aaacaagctc 180

atacctcgat ttttcaacaa aattcaacca accaagaatc gaactaacaa catcaacgat 240

catcgccggc ttactctctt tcctagcttc atcaatctca agcgccggtg gaatcggcgg 300

tggaggttta tatgtttccg ataatganaa tcgtggncgg gtctcgattc tanagaacag 360

ctttaaagcn tctcangctt ttaaggggta actgggtgga tttaagagcc tanacgtggg 420

gatgnaantc ctaattcngt ttaggaaacc cctaaanatc tgggggggga agaaacccnt 480

aat 483

<210> 2878
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-G8

<400> 2878

gtccgaagan tcccgggtcn acccangcgt ccgttgtaac attagtttaa gcattaagct 60

tctttatgtc gaataataat aattctccga ccaccgtgaa tcaagaaacg acgacgtctc 120

gtgaagtctc aatcacattg cctacngatc aatctcctca aacctcacca ggatcatctt 180

cttctccttc accgagacct tccggtggat caccggcgag aagaacggcg actggattat 240

ccggcaagca ctctattttc aggggattc gactacgtaa cggaaaatgg gtatcggaga 300

ttagagagcc acgtaaaacg acaagaattt ggctcgggac ttatccggta ccggagatgg 360

ctgccgccgc ttacgacgtg gctgcgttag cnttaaaagg gcccgacgcc gtttgaattt 420

cccgggttaa ccttgactta cgttggtccn gnttaaactc ggctgcgggt ataa 474

<210> 2879
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-H10

<400> 2879

aaacttcatt catagatctt tgaaatgatg agctatcact acataaacac cttatgcatt 60

gtaatttctc tcttgtcttg tctcttcatc acctcttctt ttgcaggacc agttccaaac 120

caggaaaatg gatctcagaa aattttcccc actcagatat catcacgtga tagtaaggtt 180

tctctatcga gcacggtgaa gggtctgaga gaacgtcctc catcgtctta ctctctcaag 240

atggagtctt tcaacacact catgaagtct gtttacactg agagatacga atctcgtcct 300

tttagggtcg gtagatacaa ctggacgctt gttgtgtatc cgaagggaaa caagaacgat 360

aacggtacag ggcacatttc gctatacgtc gtcctagaca actcaactcn c 411

<210> 2880
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-H12

<400> 2880

tatttcgacn cgctataggn gcccgtaang ggtcanagcc ntctcgggtc gacccacgcg 60

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ctcgtattcg tttctctcct gtgtcgcgta tttcttctct taatggtgat aataagctta 180

caaattctcc gccacagttt ttaaatgccg gcgcgagtct ccgtcgtttt gtggctccgg 240

ggaagtttcc aagtgtgaga cttagggttt tgacgaggtg cgagaaagaa aatgcaccca 300

aaggtgggat tgaagatgac gcggagcgat ttgcgagacg agagagcacg atgcctgata 360

gattcagata tttgaccaaa gaagctccag atagtccaat tatatggcca tggtttgttg 420

cgctggggtt tctcgtttat gcgtggagan ctgttttgtt tgagctatcc aactggagaa 480

aan 483

<210> 2881
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-H4

<400> 2881

tgcaatgttt acgcctggcc gatgattccc ggangccccc cacgcgtccg gaaagaatta 60

gaatctccac acaaatggtg ctccaacaac aaacgcattt tctcacannn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn ccttctcatg atttcatttt ccgatctaag cttcctgata 180

tcttcatccc taaccacctc cctctcaccg attacgtctt ccaaaggttc tccggcgatg 240

gcgacggaga ttcctcaaca acctgtatca tcgacggtgc cactggccgt attttgacct 300

acgccgatgt acaaaccaac atgcggagga tagctgccgg aatccaccgg ctcgggatcc 360

gccacggaga cgtcgtaatg cttctcctcc cgaactcgcc gggagtttgc tccgtctttc 420

ctgccgttgc ntaacttggg agccgtttcc actaacgcga atccgttcta aaatcaagcc 480

ggagatngct aaacaaggct aaaagcctcc 510

<210> 2882
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-H7

<400> 2882

gaaataatga ctactacatt cgaatttctg caaccaagaa tccacggatt tgcaacttgt 60

tgtagtagta atagtctatt gtactcgaaa gcttcgagat ttttcaacga tcgttgtagg 120

gtttatcgcc aaaatccgaa tcggtttgtc tccaattcaa tcacgcttcc tctgcagaag 180

aaacaagtta cagtgttgag aaatcacgaa aggtttaatc tttgggatgg gttttcaaga 240

aagaagagta gattagttgt gaattgtcaa gaagatgatc agaacgagag ttctagtgag 300

gaggaagaaa gcagtcagag tactccggcg aagtcggaga ggaaaagaga gaagaaagaa 360

gataaggtgt ggtggtcaaa gggcaaagaa atggcantgg cagccaataa tccaagcgca 420

agggattggg agttttgttg ttgcaattga gtgt 454

<210> 2883
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-H8

<400> 2883

ctgccggaac ggtccgaaaa ttcccgggnc nacccangcg tccgcncacg cgtccnnnnn 60

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga 180

taatgggagc ctatgaaaca gaaaaaccaa ctaaagatgc ggcggctcta gagacacagt 240

cgccggaaga tttcgatcaa ccatctccgc ttcgtaaaat catctccgtc gcttccatcg 300

ccgccggtgt acagttcggg tgggccttac agctctctct tcttactccg tacgttcaac 360

tcctcggaat cccctcacaa atgggtcaat ctcccaattt gggctcctgt ggtccaagtc 420

tcccgggaat ggattggttc aaaccaaatc cntcgggttt cccacaagtg gaccggatgt 480

aaggtccaaa tttggtcgcc ggtcgtcctt tc 512

<210> 2884
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-022-Q1-E1-A2

<400> 2884

gcccacgcgt ccgggggttg aagccttaaa ggcgttttca cataagttct tgacgccgta 60

ccatcctacc actagcagga gcaatgtana ggagctggag aggaaagtac acacattgcg 120

tttgcagtta aaaacagctg aagaagaact cgaacgggtc aagagtggct aaagataagg 180

ctctgttctt ccctttaatt gtaaagtttc tttcctcgcc atattcttgg aactcacttg 240

ctttctacat gggggtcttc tggatctgcg ttgtcatttg ggtttantgt tgtttatgtt 300

ttgaacaant tatangtgga aaattaaaac tgaatccttt tccccccaaa ttctcatcta 360

ncaacaactc ntaaaggaca tggaagaaat caacagatct ctttgctgtt ttatgtanca 420

ttgatttgtt taaattgtaa aacagn 446

<210> 2885
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-021-Q1-E1-D6

<400> 2885

gaactgtttc aacgctcacc ctggcccgta acggtccgaa ngtncccggg tccacccaca 60

cgtccggatg cttctaacaa acagngggtt gccactgtag ttgctcatga actggcccac 120

cagtggtttg gcaatcttgt tactatggag tggtggactc atctatggct gaatgagggt 180

tttgctactt gggtcagcta cttggctact gatagtttgt tccctgaatg gaaaatctgg 240

acccagtttt tagatgaatc tactgagggt ctaaggctan atgggcttga ggagtctcac 300

ccgatagagg tggangttaa tcatgctgct gaaattgatg aaatatttga tgcaatnagc 360

tacagaaagg gtgcatctgt catcngcatg ctacaaagct atcttggtgc tgaggttttt 420

cagaaatcct cttgctgcat acattaaaaa atcacgccnt attcagacgc caaagacaga 480

atattatggg gctgccttgg aaaccgggat tccggaga 518

<210> 2886
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D5

<400> 2886

gcccacgcgt ccggtctttt agagactcgt tagatgcgtt ttacaggttt tctaggcctc 60

atacagttat tggcacagtg cttagcattt tatctgtatc tttcttagca gtagagaagg 120

tttctgatat atctccttta cttttcactg gcatcttgga ggctgttgtt gcagctctca 180

tgatgaacat ttacatagtt gggctaaatc agttgtctga tgttgaaata gataaggtta 240

acaagcccta tcttccattg gcatcaggag aatattctgt taacaccggc attgcaatag 300

tagcttcctt ctccatcatg agtttctggc ttgggtggat tgttggttca tggccattgt 360

tctgggctct ttttgtgagt tcatgctcng tactgcatac ctaacaattt gccactttac 420

ggtggaaaag atttgcattg ggttgcagca atgtg 455

<210> 2887
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-020-Q1-E1-D6

<400> 2887

gcactcttgg ttttttgcta aaaacagagc attttctctc tagctctcac tgtttcttta 60

ccataagttt cgtcatatta gtacatgcaa gtgtaaggga tggtgatgga ggaaggaaga 120

agcatagaag aagggctttt gcagctcaag aacaaaaacg acgattcaga gtgtcgtatt 180

actgcttgtg ttatccttag cacttttgtc gccgtttgtg gctccttctc ttttggtgtt 240

gctactggtt acacttcagg tgctgagaca ggagttatga aggacttgga tctttctatc 300

gcgcaatttt cagcttttgg ctcattcgcc actttaggag ctgcaattgg tgcactgttc 360

ctgcggtaat ctggcaatgg gtcattggca gaagaaggac aatgttgggt ctccgaattt 420

cctaagcaac actgggttgg ctctccatcg cttttgctaa gg 462

<210> 2888
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D7

<400> 2888

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atctatacag acacatactg tattctcaaa acaatggaga ttccttctct gaataagcag 120

caagagttca ctctcgcctc cgtcactgat ctcacttctc cttcctcatc tctttcgtcc 180

tctcctgttg tagctacgtt ttcatgcgtt aatgaagtca aggaactccg atttcaggaa 240

tcgaaatcgt ctgatggttt cagttttgat cttagttcga ctcagttgtt caagttgggg 300

ccacttcagt tcacttgtgt atctgatggt tcgatttctt ctgcaaaagg gagaaatccg 360

tcattttctc cgaaggagtt ggnaataaaa atttagaaga atgaagaaag gatagcaaag 420

ggagttttgn tgatccattt gaggggaatg taaaaaagga tgatgccggt taaacnaa 478

<210> 2889
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D9

<400> 2889

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cgctagaaag agtggtttct cgattcgtaa agcacgatct acagagagtc agaatctang 120

tgtttanaga agagatttcg tttgttatcg ttctggtttt aatcaaccta ggaagaaagc 180

taatgtagag catccaagag agcgtaagtc tgttagatgt ggttgtgatg gtaagttgta 240

tttgactaaa gaagttgttg atggtgttag tcattggtat gtttcacagt ttagtaatgt 300

tcataatcat gagcttttgg aagatgatca agttaggttg cttcctgctt ataggaagat 360

tcagcaaaag tgatcangan aaggattcct ttgttgtcca aaagcggggt ttccggttaa 420

tccggattgt taaanttgtt ggagttaaag a 451

<210> 2890
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-E1

<400> 2890

ngtttcctgc cgcacggtcc gaaaatccgg gtcgacccac gcgtccgttg tctttgcaga 60

tgcgacacgc aaaacgacga ttctgatctc gcttgtctga tttcaaaaac aatgagaaga 120

tagttctgat tatataacac acaaacccta cttcattcct tcatcatcgt ctccaatcat 180

tacccaaaga tccgtctttt tctttacttc atgtcgaagc aaacgtacaa agtgtgtttc 240

tgctttcgcc ggaggtttcg ttacactgca tcggaggnac cgcgtgagat naagaccatt 300

ttcgaaaagt actcagagaa tggagttatg ancgttgatc atctccacan gtttctgatc 360

gatgttcaaa aacaagatta agccaccaag agaagatgca cagtcaatta tcaattcggn 420

ancttccctt cttcancgta atgggcccca acttgaagct ttcttcaagt acccctttgg 480

ggagaaaaaa ccccccctgg cccccaa 507

<210> 2891
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-E2

<400> 2891

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ttcttctaga atcatctttg ctctttctcg tcgactattt gctcgccgga gaatctctct 120

cagaatggct aggtcaccga gcaaacacgg ccgcgatcaa actcaggatt gggaactctc 180

attgaaggat aaagacaaga agattaagca acaacctgct aattcgtcga atccgagtag 240

tgagacgttc agaccaagtg ggtcagggaa atatgacttt gctaaaaagt atcgttccat 300

tagggatttg tcgagtagtt tgattggaga aagtctattg ggattctagt tcagagaaag 360

gagcaaggta atgaattcct caaccagaag aaattcaatg aggcgattga tgttaccccc 420

ggagcattgc tttaccgcaa atgccgtgac ttatgcaaat ccagcatngn ttaccttaaa 480

tcaaaanatt caaaggcg 498

<210> 2892
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-E3

<400> 2892

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tcctcgtcgt aggcctcttc tctttatctg ttttggtctc tcagtcgatc gcagggagag 180

tcaaagctcc attgttgcag agcaatactg gtggattagt tttcagcaaa tccttcaatt 240

cgatctatga tacttctatg tacggacgct tgcagctcaa caatggcctt gctcgaactc 300

cacaaatggg atggaatagc tggaatttct ttgcttgcaa tatcaatgaa actgtcataa 360

aggaaactgc tgatgccttt ggttcacctg gcctggctgg attaaggata catacattca 420

ataattgatg attgcnggcc aaatttgtac ccaatcaaaa gggcaattgg ttctcaancc 480

tgaaaccttc caacaaggaa taagcttctt gcgg 514

<210> 2893
<211> 456
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-E7

<400> 2893

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tgaggggaag cttcttaagg aaggggatta ccagttggac tctcgccatc taactcttcc 120

ttcgcttcca gctgaggagt cctttgtttt ggagattgat actgagatat acccccacaa 180

gaatacttca cttgaggggc tttacaagtc ttctgggaat ttctgcacac agtgtgaagc 240

agaaggtttc cgcaaaatta cattttacca ggatcgtcct gatataatgg ctaagtacac 300

gtgtcgtgtg gaaggtgaca agacacttta tcctgtgtta ttgtccaatg gaaacctcat 360

ttctcaagga gatatanagg gtggtcgaca ctatgcctta tgggaggatc cattcaagaa 420

accgtgctat cnatttgctt tggtggctgg acacta 456

<210> 2894
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-E9

<400> 2894

cgaaaatact gtgttctttg tttcttccat cgaaatcgaa aaaagctaag atctttgcgt 60

tttgaaacga tggcggaaga acataagcat gatgaatctg tgatcgctcc tgagccagct 120

gttgaggttg tggagagaga atcgttgatg gataagatat cggagaagat ccatcacggt 180

ggtgattctt cttcgtcttc ttcatcttct nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnccctctt ctccttcgtc ttctatgaaa tcgaaagttt accgcttgtt cggacgagag 300

caacctgttc ataaagntct cgggngtgga aaaccggctg atataatcat gtggaagaac 360

aaagaagatg tccgggggggg tncntggggg ggctacaact gcctgggttg tgtttgaant 420

<210> 2895
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-F1

<400> 2895

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tacatcgctc tcggaagtta ccaagcttgt catcaagtga gatcgatgaa gccgctgcta 120

ctcctctaca ggcagtgaaa ctccttgcta tgtatctatc gagtcctgaa aacaaggaat 180

caaccatttc gagcttgagg gaatggttgg cagatccaac tgtaggaaac aatgctatta 240

tcaggttgat tgctggtact atattcatgc atgaggaaga ctataatgag gctctgaagc 300

acactcattc tggaggaacc atggatctgc atgctttgaa tgtccagata ttcataaaga 360

tgcacagatc agattttgcg gagaaacaac tgagaagtga tgcaacaaga ttgatgaaga 420

acaacaacaa tcaatcaact ccccaacccc ttggttgaac cgggaaatna gggggttcca 480

natacaagga anctaaccna accttcaagg atttc 515

<210> 2896
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-020-Q1-E1-F10

<400> 2896

ccctttcga tttcattgat aaaacgcaaa tcgatctctc gtgtggaaga agaagaagaa 60

cacgatggga acaatgggta aagcattcta cagcgtagga ttctggatcc gtgaaactgg 120

tcaagcactt gatcggctcg gttgtcgcct ccaagggaaa aatcatttcc gagaacagct 180

atcaaggcac cgcacactca tgaatgtttt tgacaaaacc cctaatgtgg ataaggggggc 240

ttttgtggct cctaacgctt ctctctctgg tgatgtccat gtgggaagag gttcttccat 300

ttggtatgga tgtgtcttga gaggagatgc taacagcatt agtgttggag ctgggaccaa 360

tattcaagac aacgctcttg tccacgttgc taagaccaac ttaaagtggg aaagtcctac 420

ctactgtcat tgga 434

<210> 2897
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-020-Q1-E1-F11

<400> 2897

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gacgataatg gggacttttc agcagtgaac atggatactg ctgttgctat tcgcactctc 120

gaggcgactt ataaatcatc tgcagatgct gattctgtcg aagctatgat aataaaactt 180

accgaaaggg agggcacaca gcttaaatcc aagggaaagg ccggtgctgc tacacgtgtt 240

gcagtgctca catggcgatc acttttagtt atgtcaagag aatggaaata ctattggctc 300

cgacttatcc tctacatgat tcttacactt agtattggca cattatattc tggcttaagt 360

cactctttgt cctctgttgc agtaagtcct ctaaaccatt ctcagcatgt cacatttgag 420

taccaagaga tcaattatcg 440

<210> 2898
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-F2

<400> 2898

gcacggtcca aanatcccgg gtccacccac gcgtccggna gaaaccattt ggagttggag 60

ctttggacga cgacaatggc cccgaagaaa ggagtgaagg tagctgctaa gaagaagacc 120

gcggagaaag tttcaaaccc tctattcgag aggaggccta agcaattcgg tattggtgga 180

gctttacctc ctaagaagga tctctctcgc tacatcaaat ggcccaaatc catccgtctt 240

caaaggcaaa agaggatcct gaagcanagg ttgaaggtcc ctccagctct taaccaattc 300

accaagactc ttgacaagaa tcttgctacc agcctcttca aggtccttct gaagtacang 360

ccagaagaca aagctgccaa gaanggacgt cttgtaaaga aagcccaagc tgaanctgag 420

ggaaagcctt ctgagtctaa naagccaatt gtnntcaata acggctcaac caagtgacct 480

aactcattga gca 493

<210> 2899
<211> 456
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D4

<400> 2899

ggnggagatg tcgacgattt cgatccatcg gactgagact ctacgagtca ctcacgctcg 60

gtcacgaatc ttccggcana gatatcggag aactatccct ctttggaaat taacaatcan 120

ttcgagatct tctgatacat ctaagaagga agaactctct gtacaaatat caattcctcc 180

tcaagttgat caatcaagac ctgaaggttt gacattcgat cgtttacaan ctccggagcc 240

agagtttggt catgangata gatttgagtt tggtaaattc gtagctacga naagctatgc 300

ttgatgaatn aatattgggg taatgtcact cccantgaaa gatatgttng attactacaa 360

nnnggaantt ggcagagcan gatttaatgc cantaaaaga aagatgttaa aggggatcca 420

ngncagaaat gctcatgtac cgttgcngta agaagg 456

<210> 2900
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B5

<400> 2900

aacctccaaa tcgtgaggaa atccagagtt ccatcagatc taactctctt agatctgatt 60

atcatggatt actctttcct tctaatcatt ctcttactca caatctctac ttcatgttgt 120

gctgctcctt cttcttatgt ggaagaacaa ttgagagaca gaatcagtaa cttacctgga 180

caacctagta atgtcgattt tagacagtac tcaggctatg tcactgtgca tgaagaacgt 240

ggaagagctt tgttctactg gttggtcgag tctccgttgg cccgtgaccc aaagtctaga 300

cctttggttc tgtggctcaa tggtggncct gggtggtcct tccggttggc ttaanggtgc 360

tgctgaaaga aaattggncc ctttttcgtg gttnggntcc ngaatgggca aagaactccn 420

tcaattccca aaacttttaa ngccttggga ataaaatttg gnaaaaactt tgccaat 477

<210> 2901
<211> 455
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B6

<400> 2901

gcnctctgaa gaatccgtca tggcgtcgtc aagcgatcct tcaaaaccag taatggagag 60

gaagaagaaa ggagctccga tcaaattctt agtacctctc atctacgcac ctgcgcttcc 120

tttgattcgg ttgtctttaa ggcataagcc agttctaaga gatcgtctct tcggtcttgt 180

cctcgtcggt gcttttgctc atggcttcta tcttgtaacg gatatatatg atgcagagag 240

caaatgaaaa actgggagtt gcagtcagtc aacaagatct caatattttc tcagattgtc 300

tttcagataa ataatttttg ccttttgggt ttaaacctat ttgacacatg aactaangga 360

tttttcctta tgaaaccatt tagtcatcct ggaaatggta acatcctttt tacaattttt 420

caatccccgg tccttggatt aaaaacaaac aagcc 455

<210> 2902
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B7

<400> 2902

tttntcttcc ttttaacttt gattctctcc ctcaggatct catttcccga ccaaactcat 60

cgaactaaga actcactgta ataaaacttt taaaaggtgt aaacaccaat ggcagtttat 120

tacacaagta atgtcggttg ttaccagcaa gaaccaatct ttctcaacca tcaacaacaa 180

aaccaacaag cttcttcttc atccgccgcc gcttctttca ccgtcaccgg cggcgatact 240

gttcgaaacg agatggtttt tatcccacca accaccacag gagacgttgt aacaggaaac 300

ggtaccgttt caagcagcga tctaagcttt cacgatggtc aaggactgtc tttgagcctt 360

gggtactcag atctctgttg ctccgtttca ctttcacaat accaattggg ggttacnanc 420

agaatccctc aattcagtca aggaaangtc ac 452

<210> 2903
<211> 456
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B8

<400> 2903

tcgtttgcgt ttgcgagaca ataaagacgc tactgatata ctagaagttt caccagcaaa 60

ggatcttgaa gaaacaaact taacttgtga agcatcatcc tttttgtcta ttgatatgaa 120

annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnntc tgaaaa 456

<210> 2904
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-C10

<400> 2904

ttcttccctt gtaaaccact caatcaatca ttgatcatgc ctcgtaactt caacttgttg 60

ttagttctgg tgatcattgc tctgtttatt actaaaaact cacttggcag gcttcttgag 120

ggatccactg gtattatcaa tggtttcctg acgtggacaa acaccaagaa gcccgtggac 180

gctgaaagct gtgtcgaggt cggttgtgca attatatatg acgttgttgc tctatatatt 240

ttatgttgtt cattgtattg aatgtatcgt gtggtctgtt atctactcaa gtcggctgta 300

acattgtgaa ctactttatc tgtagaagct attactttat cttcggattt tggtttggga 360

actgctctaa catgcgctgt taccatcang cgcctggaca aaacaaagca gacatgatgc 420

cagattccca a 431

<210> 2905
<211> 572
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-C2

<400> 2905

aactgtttct cctgcccgca ccgggtccga aaatcccggg tccacccacg cgtccgggaa 60

taccaaaagt tgtgagcctt gaattaaatg gggaactagt tgaggggaat attatcaagg 120

gtcaagcagt ggttgcatgg tgtggtggga caccaggaaa gtgtattacc agttggttga 180

ggagaaagtg gaatgggagc cctgtggtga tcgatggagc tgaagatgag gaatatatgt 240

tatctttaga tgatgtggga tcaagtatgg ttttcatgta cacaccagtc acagaaggag 300

gtgcaagagg agaacctcag tataagtaca cagagttcgt aaaagcagcg cctccatctg 360

ttaagtaatg ttccgaattt actgggaaga atgctgtttg aaaggctgcc gttcctcaaa 420

gggggggttg ggagaattaa tttttgggan ggcaaanggn aaaggtccct aaaccaaagt 480

tttccaaaat tgggnttacc gggaaagaaa acaaagggga aaaccangga agaaaactcc 540

tccctttgaa taatcccggg cttgggnaaa cc 572

<210> 2906
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-C3

<400> 2906

ngttatcctg ccgcacggtc caaaatcccg ggtcnaccca cgcgtccgga ggatctcgct 60

ctctctcgat tggtatctct cgctccgtcc ttcctcagat ctgatcgtcc gccggttttc 120

acgatgccgt cttcctcctc cgccgccgtc ctcgtgttcc ttcttctcgt ttcccttctc 180

actcctacgt tcgcatccga ttcagatcac aagtatcaag ccgaggagca ggtcacccta 240

tgggtaaaca aagttggccc atataacaat ccacaagaaa catacaacta ttacagtctt 300

ccattttgcc gcccatctgg aaacaatgtt cacaaatggg gtggtcttgg tgaagttcta 360

ngtggaaatg agctgattga cagtgagant gcgataaaaa ttcaatgaag aaatgtcgaa 420

gagaaagtgt catcctgtcc gccttgaact ccaatgaagc cnaaggtcaa gcaattttaa 480

aagatggcca attgaatcca anctaactgg gttcgaaatt ttttaan 527

<210> 2907
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-C5

<400> 2907

ggaagaatcc acacacacac agaagaagaa tctcatcacg aattttagct atgggttcaa 60

tccaacacag agcacacaga agaggatgtg acagaccaga tggtgggaag atccgctctt 120

ccgaatcagt ttgaggataa aaacccgcta aacttcccgg gactccgcag agatgtagac 180

gccatcgaac gccatttctt gagcggaatg aagagtttct ttgatgcggc tgaagagatg 240

acaagcagct tatttgatat catgggagac catcacccaa gcaccaggag aggagggata 300

cccattgaaa accatcccaa ggtagaggag caccgcaatg acgaaactgc cctacacgac 360

cacactcctc tggcgagatt gatttctccg ggccttggcc aaggacgttt tgagaaaagn 420

cntctgcntc ntcctcctcc ttccttttt ttttcacaaa ggtcg 465

<210> 2908
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-C9

<400> 2908

ccacccgtcc gtcnccttag ccctcgtttt ttttcngttc tcgtctttcg ttcttcactt 60

ttagacaagc anatatgana cccccagtta caggaggacg tggtggtgga ggattcagag 120

gtggaanaga tggtggtgga agaggttttg gaggtggaag aagctttgga ggaggccgta 180

ctggtgacag aggccgtagt gggcctcgcn gcagaggacg tggtgcgcct cgtggtcgtg 240

gaggaccacc tcgtggagga atgaaaggat gaagcaaagt gattgttgag cctcacagac 300

atgcnggagt gtttattgct aagggtaaag aagatgctcn tgtcactaag aatttggttc 360

ctggtgaaac tgtttacaaa tgagaaanag aatcncctgt tcaaaatgaa tattggaact 420

aaangttgaa tacagagttt ggaatccgtt taaatc 456

<210> 2909
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D1

<400> 2909

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gtccggaagt gagagacact gagacttgta gttgaccgga tcattctcac ttcgccggcc 120

gacgttcttc cttccgccgt cggtatctat atttacgatc cacgatctct cttgctgttt 180

ctgtcttcat cgtgacgaaa atggctgctc gtatcgggat cttctccgtc ttcgtagctg 240

tattgttatc tatttctgca ttttcctcag ctcaggatct ccagatcgta aatgccgagc 300

gaaggattga tttaagctca catatcgtga aggccttctt gactctcaag gttgaaaata 360

ttgggaaaga tcctgctgca gaaatgcttc ctgctttccc aactacccag atnaagaaat 420

tggctaaggt acaagcccct ggcaactaac tggcaaagaa agaagaagaa aacttaattt 480

gccaataaga tttaaaacca actgaaacaa cctgaagca 519

<210> 2910
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D10

<400> 2910

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tgagaggaga gagaggaaga aaaaatggga gagatgaaga gtatgcaaat gggtgtgatt 120

ggagcattgt ttctatcagt tgcatcttct gtctccattg tcatttgcaa caaagctttg 180

atgaccaatc ttggtttccc ttttgcaaca acacttacta gttggcattt gatggtaaca 240

tattgcacac ttcatgtggc atataaacta aacttctttg agaataaacc aatagacatg 300

agaactgttg ttctctttgg cctcctcaat ggcatttcca ttggtctcct caatctcagc 360

ctcggcttta attccatcgg cttctatcaa atgaccaaac ttgctatcat accattcact 420

ggtcnttaaa aacctcctcc tcaacaaaga aattca 456

<210> 2911
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D11

<400> 2911

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tatctatcga cgttgtctag ggctaatatg aagcctaatg gtattgattt caaagcctcc 120

ggaggaactc ctaccggccg gttcaccaat ggacggacca tcggtgatat cgttggggaa 180

gaactcggat cagcgaacta cgcgatcccg ttcttggcac cagacgcgaa gggaaaagct 240

ttattagccg gagtgaacta tgcatctgga ggaggaggaa tcatgaatgc caccgggaga 300

atctttgtga atagattagg tatggatgta caagttgatt tcctcaacac tacacggaaa 360

cagtttgatg atctacttgg aaaagagaaa gcaaaagatt acatagccaa gaaatcnata 420

ttcctcaatc actataggag c 441

<210> 2912
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-D2

<400> 2912

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cttcttccga cgacgactgt tactccctca aggtatgtct cctccgtctc ctcctttctc 180

catcgccgtc gtgatgtctc tggatcggct tttaccacct ccggtagaaa tcaacaccag 240

acacgatcga tctccgtcga tgcgttgaag ccaagcgaca ctttcccgcg ccggcacaac 300

tcagcaacac cggatgaaca agctcanatg gcgaaattac tgcgggattc gataatccca 360

aacaacgttg attgattcca actgttcccg aaaatccgaa ttcggttaan attcnaattg 420

aaantttttc cgggaataat ttngatnaaa gggnttaanc gggngaattc aaaatgaatt 480

ganca 485

<210> 2913
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B3

<400> 2913

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cttcgtcgag agataaacgg aggtggagct tcaccaccag atcttcaaat tccagcaaga 120

gagctccggc ggtgacgtcg gcttcggtgg ttgagcaaaa tggtttggat gctgacaaac 180

atgcgatagc tgtggctgct gcgacagccg cggtggcgga agcagctctt actgctgctc 240

atgcggcagc tgaagtcgtg agactaacaa gcggaaacgg cgggagaaac gtcggtggcg 300

gtggaaactc gtcggtgttt caaaatagga agaagtaacc gtcggtgggc tcaaggagaa 360

tatcgccggc gatgaagatt caatcccgct tttccgtggg ttatcctggg cganggagaa 420

gcaatttacg angcaactaa aagggcantt anntgaaagc cttcaaagca attaannnga 480

anaagggaca caatanttga aga 503

<210> 2914
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H2

<400> 2914

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agaaaaccga tgctcacagc gtttgcaagt cacgcgcgtt ctcacgtttt cgcgtttgtt 120

accgtcccaa caatcacgcg ccgcctccgt atanatatct tacgccaatc acctctctcc 180

tcttctcttc tcctaaacga aaccttctct aatcgaccca attctgtttc tcgtcgttgt 240

tattgttcga gctctgcgat aatgggttct ttcggtgttt ggcgaagcaa ttacagtatc 300

ctgcgactcg gcgtgatgat tccgtcgtcc gatgactatc aaggggtcaa gatnggagat 360

ncgtaccgtt gggtagagga ttctgatgct gaagaagtga aagagttgtt caagaagcaa 420

gtnaaattga caaaatcctg tacttgaaaa agtgtgaaac aaaaggataa gctccgtcan 480

gaatataacg aaaacttatt ggtna 505

<210> 2915
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H5

<400> 2915

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ggtggttgag aatctgcaat caatctccgc ttgtggccat gtctttcacg aactttgttt 120

gcagcaatgg tttgagtatt gcccgagtac gaacaagcga aattgtccga tttgtaagca 180

gaagtgctct ctaaaggatc cttgtcgact ttactttcag tcttctggga atcaaaccga 240

ttcgattgcc tcggataagg ttgttggaat cgaagaagat ccggttttgt tgagaagaga 300

agtgaagcgg ctttgaaggg aaggtacaga atcttacttc ggctctggga aggcgaagaa 360

aaaaggagaa tgtttgaagt cccctgataa gttgcatcaa tgcaatgaag caanttgaan 420

ggaggataaa gttgaaaang tggggaaggt ccttcaaaga aatatcaacg aatcaa 476

<210> 2916
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H9

<400> 2916

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tttctctcca cccttctctc tctccttctg aaagtctctc tctttgccgt cgttagcctc 120

ttcctacact tggggctgcg attcttccaa tcctccgatt tcaatttcat cctctcaatc 180

atagtttgaa atcatcgagc ttttacggtg ctgttggtgt ttgacgccgt aaaattcgat 240

cctttttat acatttgatg ttgattttat cgatagtttt gtgagatcga ttttttaggg 300

tttcgagttt ggcgctgact tgagggtttg attggatgag aataaggggt tatgggactt 360

gagtcaattg ggtttgtccc cctaatcatc gcaaattcct gaattctcaa ctccttggga 420

agggantaag gatccgtt 438

<210> 2917
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-A1

<400> 2917

ccctgccgca cgggtcgaaa nccgggtcga cccacgcgtc cgcaagctct gaaattccac 60

gcccacatct cctccgtcct cttgagatcc ttctcttcat tcattttctt gctcaacttg 120

agttgcttcc aacatcttgc aagattgtct ttgagttcat tcaggtcttg aagaagagca 180

ctcttttaag ctgtgtgaaa cttgcgccgt tcctgtgaag aactactttt ggcattgcag 240

atttcagaga gctgtgattt gtgctatctt aaaaacggac aagttctatg ttgtggcgga 300

tgagatgagg gatgctatct gggttgatga attttctgaa tgcctgtctc tgggcacggg 360

cagatnagca ngctccgtcc tgcctcagan tccgggtggg ccgccaaana aggggtttgg 420

ctcccngggt tcaagaanac tccggggnca acaacgntcn tttgggngaa cntcctccca 480

atgggccgtt cgnttcaaag gccaaacaag gctttgccaa naagggacca aaaagcc 537

<210> 2918
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-020-Q1-E1-A10

<400> 2918

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cacaaaacca cacgccgcca tgttttccag tcccggaatg ggccatgtca tcccggtgat 120

cgagcttgga aagcgtctct ccgctaacaa cggcttccac gtcaccgtct tcgtcctcga 180

aaccgacgca gcctccgctc aatccaagtt cctaaactca accggcgtcg acatcgtcaa 240

acttccatcg ccggacattt atggtttagt ggaccccgac gaccatgtag tgaccaagat 300

cggagtcatt atgcgtgcag cagttccagc cctccgatcc aagatcgctg ccatgcatca 360

aaagccaacg gctctgatcg ttgacttgtt tggcacagat gcgttatgtc tcgcaaagga 420

atttaacatg ttgagttatg tgttta 446

<210> 2919
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-A11

<400> 2919

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agtactgtgg agagtagcaa accgaagatc atcaatggct cttgtggtta tgttctagaa 120

gatgtaccgc atctctccga ttaccttcct ggtcttccta cttatcctaa tccattgcaa 180

gacaatccag cttactcagt ggttaagcaa tactttgttg atgctgatga cagtgttcct 240

caaaagatcg ttgttcacaa ggatggtcca agggggattc attttagacg agccgggcca 300

cgtcagaagg tatacttcga atctgatgaa gtgcatgctt gcatagttac ctgtggaggt 360

ctttgtcctg gccttaatac cgtgattaag agaaatagtg agcagtctat ccttatatgt 420

atggagtgaa gagaatactg gggaatanat ggtggatata gangctttta tgcctaagaa 480

tactgtcncc cttggac 497

<210> 2920
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-A3

<400> 2920

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actatggnga gaaagcctct tgaggntgag ccatctacta cgacgactaa caccgatgtg 120

gtcgattctt tcgaggaaga gcagagaaaa atcgtttata gaggatggaa agtcatgcct 180

tttatcattg gtaatgagac atttgagaag cttgggatca tagggacatt atcaaacctt 240

cttgtgtacc taacttctgt attcaacctt aagagctaca cagctgcaac tatcatcaat 300

gcctttagtg gtacaatcaa tttcgggact tttattgctg cctttccttt gcgacactta 360

ctttgggtcg ctacaagact ctcaattgtc ccctggtcat cgcttgtttt ccggggatcg 420

tttgtgatac naacttactg ctgcaattcc gtcgttgcac ccccgttgcn tgcgggaaca 480

aaat 484

<210> 2921
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-A4

<400> 2921

aactgtttat cctgcccgca cggtcgaaaa tcccgggtcc acccacgcgt ccgcactctc 60

cttctgaaag tctctctctt tgccgtcgtt agcctcttcc tacacttggg gctgcgattc 120

ttccaatcct ccgatttcaa tttcatcctc tcaatcatag tttgaaatca tcgagctttt 180

acggtgctgt tggtgtttga cgccgtaaaa ttcgatcctt ttttatacat ttgatgttga 240

ttttatcgat agttttgtga gatcgatttt ttagggtttc gagtttggcg ctgacttgag 300

ggtttgattg gatgagaata aggggttatg ggacttgagt caattgggtt tgtctcccta 360

atcatcgcaa attcctgatt tctcagctct ttggaaggaa ttangattcg ttgatttcga 420

gttttgngtt gtgttgggtg atgaaganat tgggtttggn caaattgagg ggttaanggt 480

gttggtttac tggtttgaat ccnga 505

<210> 2922
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-A6

<400> 2922

ttcccgggnc cacccacgcg tcngcactct ctctctctct gcctcctttc ggattcaaat 60

ctcagatcta gctcaaccat ggcgttgctc gtcgagaaga cctcaagtgg ccgtgaatac 120

aaggtcaaag acatgtctca agccgatttc ggtcgtctcg aactcgagct cgccgaagtt 180

gagatgcctg gactcatggc ttgtcgtacc gaattcggac cttctcagcc attcaaaggc 240

gctagaatca ccggatctct tcacatgacc atccaaaccg ccgtactcat cgaaacccta 300

actgctctcg gtgctgaagt cagatggtgt tcctgcaaca tcttttccac tcangaccac 360

gccgccgcaa gcatccgctc gtgactccgc cgctggtttt cgccctggaa aaggtgagac 420

tcttcaaggg gtactggtgg tgtaccgagc gttgcccang attgggggtc angttggtgg 480

cctgatctg 489

<210> 2923
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-A8

<400> 2923

gcggacgcgt gggcggacgc gtgggcttat ttcgaaaggg taaaaaccaa aagcgacgca 60

aagggcaaaa tcggaaaaag tgttttattt atggccgccg ttagtagttc gtcggagacc 120

ggagactgcg gcgttacggg aaagagagat gagatcatgt tgttcggagt tagagtcgtg 180

gttgatccga tgagaaagtg tgtgagtttg aacaatctct ctgattatga aaagtcttct 240

ccggaggatg agatccctaa gatagtcacc gccggagctg gagatggtga agataagaac 300

gaaacggatg cgacggtgat tgtcgctgac ggttacgcct ccgccaatga cgctgtccag 360

atttcgtctt cctcccgccg ggaaggaaac caaggggtt ccatgggcaa gagaaccaan 420

cataanaagg ttcttgattg ggntgccaca aaatnaggga aaaggagatt 470

<210> 2924
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B11

<400> 2924

actgttagct tcccgtagcc gtcnnaaaat tcaaanngnc cacccacncg tccgaagatg 60

atgattcaag agattttgat ttttcaagaa aactctgttt ttcctctttt tgtttttgcc 120

tcttggggca tttggagagc aatggcgact tttgctgaac ttgttttatc gacttctcgc 180

tgtacatgcc cttgccgttc attcactaga aaacccctaa ttcgtccccc tttatctggt 240

ctgcgtctcc ccggtgatac caaaccattg tttcgttccg gacttggtcg gatttctgtt 300

agccggcgtt tcctcacggc cgttgctcga gctgaatcag accagcttgg tgatgatgac 360

cactcaaaga atgtggaaga taagcagaag aaagcaagcc agcttaagaa aagagtgatc 420

tttggtattg gcattggttt anctgttgga tgtgttgtgt tagctggagg atgggtttca 480

ctgtagcttt aa 492

<210> 2925
<211> 570
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-020-Q1-E1-B2

<400> 2925

aactgttatt cctgcccgcc accgggtccg aaaatcccgg gtcnacccac gcgtccgcgt 60

tcttgtaatg gaaatctaca ccatgaaaac gaattttctt gtactggctt tgtctttgtg 120

tatccttctt tcaagcttcc atgaggtttc ttgtcaggat gatggtagtg gtttgagtaa 180

tttggatcta atagaacgtg attatcaaga tagtgtcaat gctcttcaag gcaaggacga 240

tgaagatcag tctgcaaaga tacagagtga aaaccagaat aacactacag tgactgataa 300

gaacactatt tctctatctc tatcagatga atctgaggtt ggatctgtta gtgatgaaag 360

cgttggacgt tcgaagtcct gttgggatta aaatcaaacc ttgaantccg aagctcaatc 420

acaaataagt aattnancca aagcctggga ttctggaatg ggtggtccaa agggcttgna 480

aatcccaaag ggaatggaat ggaatgaaan aaanttatcc tggccccaat aggaacaaga 540

aaaaatggtt ttgggaagga aaatccnaaa 570

<210> 2926

<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-H12

<400> 2926

gnccatccac gcatccggaa atcttcagcg ngatgatgat aaggttgacg tggtttcggg 60

ttctagaaga tatggatctg agaactggat gtcctcagcc aggcatgaac ctacttacac 120

agatttgctc tccggctttg ggactaacat agatccatcc catggtcagc ggataccttt 180

ttatgaccat tcatcatcac cttctatgcc tgcaaagaga atcttgagtg attcagaagg 240

caagtttcga ttatcttgct aaccagtggc agatgataca ctcctggtct ctccctgaag 300

ttacatgaat cncccaaagg acctgcaagc aactggatgc ctctctccaa agggcgatgc 360

aatgtttaat acaacgaata tccnggtcct aangggccaa ccaacggaaa atgcctgggg 420

ggaactnggg caataagtcc anctgccttg aantaataag anggaatggg ccat 474

<210> 2927
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-G6

<400> 2927

aattcnacgc ggacggtacc ggaacnaaat tcccgggccg acccacgcgt ccacggacgc 60

gtccgcccac gcgtccgttc tcaactaact tagttaggga tatctccggt catggatctc 120

aggcggagac agtggttctt gtcggctatt ttgctgtcgg cggcgttgct gattgacccg 180

caattctcga cggcggcgac ggcttcggag aatttggtat ttgaagttcg aagcaagttc 240

gccggaaaaa gagtaaaaga tcttggagct ctcagagctc acgacgtcca ccgtcactca 300

agactcctct ccgccatcga tattcctctc ggcggcgata gccagcctga gtctattggt 360

ttatacttcg ctaaaatcgg actcggaact ccatcaagag acttccatgt tcaagttgat 420

acaggaagtg atatcttatg ggtgaattgt gctggttgca tcaantgtcc taaggaaaaa 480

tgattctggt aaaaccgaaa acctaatgaa gttgggt 517

<210> 2928
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H1

<400> 2928

ccgcccntac cggtccaaaa tcccgggncc ncccaagcct ncgtnacntt natngangga 60

aaaaaanctt tngacaatgg gcacagacac agcaagnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatg ttaaacctgc cggagaacgc 180

cgcggatcat ccggttccgg aaccgtcgga tcgtcaggct ccggaacagg cggatctcgt 240

tccaccacat ctactcagca gaatggtcgg atcttaggtc ggccgatgga ggaagtacgg 300

agaacctatg agtttggtcg tgagcttggt cgtggccagt ttggtgtcac gtactcgtaa 360

ctcacaaaga gacgaaacaa caagtcgctt gcaagtcaat ccctacgcgc cgccttgttc 420

acaaagacac attgaagatg ttcgccgtga agtcagatta tgcacatctc ancggtcacc 480

ggaacatatg gacttgaagg aa 502

<210> 2929
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H12

<400> 2929

anatggagaa angattttgg tactgacacc attttcgagg attttgaatt tgaagagttt 60

gatgaagttc tgnaatacta ccctcatggn tatcatggtg ttgataaaga aggaaggcct 120

gtttacattg aaagattagg actacttgat ccggccaagc tcatgcaagt cactacagtg 180

gaaagattca taaggtatca tgttcgagag tttgagaaaa ctgtcaacat aaagcttcca 240

gcttgctgca ttgctgctaa gagacatatt gactctagca caacaattct agatgtccaa 300

gggcgtgggg gttcaaagaa atttctccaa agcctgcgaa ggggattccc ataatccaag 360

ctgccnaaaa gaattgatna ccgattaact aaccctggaa nacactttca accggaangt 420

ttcaatcaat caatgggtgg gctccngggg tttaaacct 459

<210> 2930
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H2

<400> 2930

ctacggtcac ncatcccggg nccnctctcc cnattaaaaa ctngtttttt ttttaccggt 60

caccggttta tggaatgact gattaccggc tacaaccaac gatgaatctt tgggaccaac 120

cgacgacaaa cgcttctaat gatgggaagc tttcatgaag ctcttccgat atctcaactt 180

tatggcctcc ggcgtcgacg acaaccacga cggcgacgac tgaaacaact ccgacgccgg 240

cgatggagat tccggcacag gcgggattta atcaagagac tcttcagcaa cgtttacaag 300

ctttgattga aggaacacac gaaggttgga cctacgctat attctgggca accgtcgtat 360

ganttctccg gcgcctccgt gctcggatgg ggaaatggtt attacaaaag gtgaagaaag 420

ataaagcaaa cccgagacgg agattgaatt cgccgccgtt ttctactccg gcggttaagg 480

atncaggaaa aaattttgaa 500

<210> 2931
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H3

<400> 2931

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cgagtttacc tggtactcct caaaggttta gtattccgca gcgattagct tctttgggtc 120

aagatttcga gagaaacgga aaggaaggaa ttttgataag aagattcggt atacagtccg 180

caaggaggta gctttgagga tgcaacgcaa taaaggtcag ttcacatctg ccaagtcaaa 240

caatgatgaa gctgcatctg ctggatctag ctgggggtcg aatcaaacct gggccataga 300

aagtagtgag gctcagcatc aagagatctc atgtcggcac tgtggaattg gcgaaaagtc 360

aactccaatg atgcgacgtg gacctgccgg gccaaagaac actttgcaat gcatgtggac 420

ntatgttggc aaacaaaggt gcctttaagg acttatccaa agcctctcct caaacagcca 480

anaatcttcc tttaaataag aatgaagatg caaat 515

<210> 2932
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H5

<400> 2932

gcaacacaaa aaaactcaaa accatcgnga acatcgaaga atcatctctc aacaattctc 60

cgataattct ttggactgat gaattaaagg gaaacgctga gtgtaaatca tacaacagtt 120

ctaagtcgtg aaaacaaaaa aaagatggct tgtagaggtt gtttggagtg tttgttgaag 180

ttactcaact ttctcctggc tgttgctgga cntggcatga ttggttatgg tatctattta 240

ttcgttgagt acaagagagt taccgataat tctgttacat tcgatttgac taatggagat 300

caaagttacn tttcgtttgg gaggcctatt cttaaggctg tgtcacngtc ttcaaanaac 360

ctttganaat cttcccaaaa ncgtgggtca aanacttgtc atgggaattg gngtgggncc 420

cctttgtaan ttcttgccgt gg 442

<210> 2933
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H6

<400> 2933

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cccactgatt cagcagctct ttgaactact cttcgacaat ggccgaacgt ggtggagaac 120

gtggtgttga gcgtggtgga gaacgtggtg atttcggacg aggattcgga ggccgtggag 180

gtcgtggaga tcgtggaggg cgtggacgtg gaggccgtgg tggtcgtcgt ggagggcgtg 240

ccagtgaaga agagaaatgg gttccagtga ccaagcttgg tcgtctcgtg gcggctggtc 300

atatcaagca gatagagcag atctatcttc attcactccc ggttaaggag taccagatna 360

ttgatatgct catcggtcca acattgaagg attaagtaat gaaaaatcat gccggttcaa 420

aaacaaacca aaggctggtc aaaaggacta aaattcaang gcctttgttg tccttngana 480

atggtaaagg tcaatgttgg ggnttgggaa t 511

<210> 2934
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H8

<400> 2934

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gatttgctat cttagtaacc ttggcacttg ccattgccac tgtttcggtg gttatagctc 120

aagtccctcc ggagaaacaa ttcagagtcg tcaacgaagg agaattcggt gaatacatca 180

ctgagtacga cgcaagttac agattcatcg aatcatcaaa ccagagcttc ttcacatcac 240

cattccagct cttgttttac aacactaccc ctagcgccta catcttagct ctccgagtcg 300

gactcaggcg tgacgagtct accatgcgtt ggatatggga cgcgaatcgc ancaaccccg 360

tcggagaaaa cgctacactc tcactcggcc gtaacggcaa cctcgtcctc gctgaagctg 420

acggacgaat caaatggcag actaacacaa gtaacaaaag gngtcaacgg attccaaatc 480

ctaaccaacn gg 492

<210> 2935
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-H9

<400> 2935

natggaactg ctggaaagag aacgactctt catgatctat atgagaagga aggtcagagt 60

ccttggtatg ataatctttg ccgtccagtc acagatcttc tcccgttgat tgctcgtggt 120

gttagaggtg ttactagcaa ccctgcgatc ttccaaaaag ccatttccac ttcaaatgct 180

tataatgatc aattcaggac acttgtggaa tcgggaaagg acattgaaag tgcgtattgg 240

gaacttgtgg tgaaggatat tcaggatgcc tgcaaacttt ttgagccaat ctatgaccag 300

acagaangtg cggatggcta tgtccctgtt gaagtttcan ctangcttgc tgatgataac 360

caaaggaact ggtgaaagct gcctaaataa cctaacaaag gtttcaaacn tccttaagtc 420

ca 422

<210> 2936
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-A12

<400> 2936

accgataact caattaactc tcttctcttg gcttctgcaa cgctgagcca ccatcgtcct 60

cttctcttcc tcttcgatct ctcctgaatc ctcaaaccct ggagagagag agagagagtg 120

acgggggaag aagatgactt ctgctttgta tgcttccgat ttgtttaagc agctcaagtc 180

aattatgggg acagattcgt tatccgacga tgttgtactt gtgattgcaa cgacgtcttt 240

ggcactagta gctggatttg tggtgttgtt atggaagaaa acgacggcgg atcggagcgg 300

ggagctgaag cctttgatga tccctaagtc tcttatggct aaggacgang atgatgattt 360

ggatttggga ttcgggaaga ctanagtctc tatcttcttc ggtacgcaga ctggaacagc 420

tgaaggattt g 431

<210> 2937
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-A7

<400> 2937

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attgtggctg tggcattgaa tagaggtgtt tggggttttg tccctttggt aaaggatgag 120

tgttctctag tgtgaagcta aattggtctt ctaagccatc tgtgtgaggg atggaagtgt 180

agaaggtgct gaaacaactc atttggatta gggattggaa ttggattcgt cttgtggcct 240

ttaccgtggt agggatttag atggtagaga aagctagggt agattaaatt ttttgtaaga 300

agagcttctc tgttgttgtt ggtgggggggt taanaaaggt tanagaaaat gtgtgttcct 360

tcctggaanc tgatgaagta cagcttccta atgggacaaa ggtgaacact ccttttaactn 420

ccggaatggg ttg 433

<210> 2938
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-019-Q1-E1-B1

<400> 2938

ggaaatttgt aaaagatatg agaaattagt aaattccaga aacttattan aagcggcgga 60

tcgaattcgc gacgagcgtt ccattagggt ttcgaatcaa catcaacaaa cgacgagaga 120

aaacttttta aaacatgtac ggaggcgatt ttgacggcaa cgctgctttc gccggnggcg 180

gcttcatgcc ttctcaggcg actacgcaag cccatgaatc ctcatcttcc ctcaagaacc 240

gcgatgtacg taccttgctt cccctgacac tgaagcagtt gagcagcgca tcaaccactg 300

gcgaatcaaa tttctctatt gatggcgttg atattangac tgttgtaatc gttggacnga 360

tttcctagaa tggagaacag aatcactcan ggtcnaattt gttggttgat gacggtacag 420

gctggggttg attgtgtcag atggtgtcac gccccggcaa ga 462

<210> 2939
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-G5

<400> 2939

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cctgatcagt acaactgtat ccacaacgct ccaactccag ccatggattc tcttaaacat 180

ggngctcctg atacttggac tttgatcaaa gctcacggta ctgctgtagg acttcctant 240

gaagatgata tgggaaacag tgangttggt cataatgctc ttggtgctgg tcgtatcttt 300

gctcaaggtg ctaagctttg tgaccaagct cctgcntctg gcaaaatcct ttgaaagtga 360

angttttaaa tacgtttctg aatcctttca anaagaatac tttgcaacct ggttggactt 420

ctcaattaac ggtgganttc aatccccttc ccgattaaac aaaa 464

<210> 2940
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E8

<400> 2940

ncccacgcgt ccgcccacgc gtccgcccac gcgtccgctc atcttctccg ccgtttctcc 60

ttctttcgcc gcttcttcct ccgacgacgt tgacgatgag gatctcagct tcctcgaaga 120

tctcaaagaa gacgacgttc ccggcgctga ctcactctct tcctcaactg gatttnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnttttttcc gatctaggta atccggattc cgatccgtta ccgacgccgg agattgatga 300

gaaagacgtt gtggttatca aggagcgtaa cttcactgat gtgattgaga ataatcaata 360

cgttttgggt tgagttttat gctccgtggt gtggtcattg tcagtctcct gctcctgaat 420

aagctgctgc tggcacggac ctaaaggaan atggtgttgt tt 462

<210> 2941
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E9

<400> 2941

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gcttcttcct tttgctacta gctctcctct cttctccgaa aatggcgtta caaaacaaag 120

aagaagagaa aaagaaagtg aagaagttgc aaaagagtta cttcgatgtt ctcggaatct 180

gttgtacatc ggaagttcct ataatcgaga atattctcaa gtcacttgac ggcgttaaag 240

aatattccgt catcgttccc tcgagaaccg tgattgttgt tcacgacagt ctcctcatct 300

ctcccttcca aattgctaag gcactaaacg aagctaggtt agaagcaaac gtgagggtaa 360

acgggagaaa ctagcttcaa gaacaaatgg ccgaaccctt tcgccgtaat ttccggctta 420

ctctcctcct aaccntccta aaagtttgtc taatcgccnt tacgttg 467

<210> 2942
<211> 549
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-F1

<400> 2942

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tctccgatca accatgagca aaggtccagg actcttcacc gatatcggca agaaagccaa 120

agatctgttg acgagagact acaattccga tcagaagttc agtatctcca cttacagtgc 180

ctccggcgtg gcccttacgt ctactgctct gaagaaagga ggagttcatg ctgctgatgt 240

tgccacccaa tacaagtaca agaatgcttt gtttgatgtt aaaatcgaca ctgattcnat 300

gttttgacaa caagtcacac tttaccgaga ttctcccatc aacaaaaagc cattggcctc 360

ccttcaaaag tccctggatt ataaattccg gccaaagctc cgaanggtgg caaataacnt 420

tccaacgaac caacgccaac aagtttaacc ggctggctgg caagcctttt gaaaacaaaa 480

aacccaacta aattgacaat taacaaagct aactcccttg ggttccgcca agtcaacctc 540

aattttggg 549

<210> 2943
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-F10

<400> 2943

cagtaccggt nacaaattcc cgggncgacc cacgcgtccn atcgattttc acggcgagaa 60

atgttgtcgg cgcttggctt tgctttactc agcatcttcg cgatcctctt gtcgttatca 120

accttgtcta atggattact tcaacctcgt aggatttctc atggcttgac ggaaagtagc 180

aagtacttga cgagggatga gctctggttc aatcaaaccc tagatcatta ctctccttct 240

gatcatcgcg aattcaaaca gcgatactat gaatatctag accatttacg agttcctgat 300

ggacctatct ttatgatgat ctgtggcgaa ggaccttgca atggaatccc caatgactat 360

ataactgtgt tagcaaagaa gtttgatgca ngcattgttt cacttgagca tcgttattac 420

ggaaagagct caacgtttaa gtcattagcc actgagaatc tcaagtat 468

<210> 2944
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-F3

<400> 2944

anncacgcgt ccgaaaagaa gagggaattt aaaaggggga acaaattccc tccaaatgat 60

tgggccataa accagagaca aggctcaagc caactctgct tctatctatc tctcactcta 120

ctcataaaaa tctccatata cgcttcttct tcgttctctg atttgctggt gcgcttctcc 180

gtcatcgttc gccgatcata gtcgatcccg ccgcttccag atgcttattc cttggcctga 240

tgggacacaa gtgatatcag tgttaccgtt gatagagtgg tgttttggtt ctgttttggt 300

gtgagcgtat gcctggaaat aagtncaact gcaattcctc tcatatccca ntctctcgaa 360

cagaaagcct ccttgagaaa tagaagaacc ttanaagaag aaagaaggaa gaagcaaacc 420

gaacctccgt aaatccctaa tggacnttgg ctgggcaant ttccgaaaaa ctcctgaana 480

attgacttt 489

<210> 2945
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-F4

<400> 2945

ctaccggtca ccaaaatccc gggtcccccc aacgccttcn aanaaagcgt tttactcggg 60

cagatggaaa atgttttgaa cgtgacacat ggagagaaat aaaggaagac attgaacgtg 120

atangtctga gaatgccagc tcctctgatg cagttgttat atctcaagaa atcacagaaa 180

agaagcctgt agaaataaga gaggttgaat cgaatgcacc tcgcgccagt gattgtaccg 240

agaaagtaga tgtcaacaag gaacgtcttc ttaaagtccc catagatagg gctctatatc 300

agaaggcact aacatcactt gttgattcca aaattccaca agaagaagtc ttggagatca 360

atgaaactaa taagctagat gaggaagcac tagctagtgc tgaatttgtg tcctttgtgg 420

actgtactcc tgaaanggtc aaatctatct ttgagaaagg caaattggtg aanggttgct 480

ggctaaggat ttcctttgac ataaa 505

<210> 2946
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-F5

<400> 2946

cgacgagtcg ctaatcaaat aaacctaaac cctagatcgt gatcggcaac ggcacctcct 60

cgtcggcgat agcttctctt ccactaaaag aaaatcctct tcggtgagaa tggcagagca 120

tttagcttca atctttggta ctgaaaagga tanagtgaat tgtccgtttt actttaagat 180

tggtgcttgt cgtcacggtg accggtgctc acggcttcat aaccgtcnca ccatctcgcc 240

gacgcttctc ctctcgaaca tgtaccagag acctggacat ggataactcc aagtggtggg 300

attctcaagg ggaaaagccg tttagacccg anttangatt caaagaacaa cttttgangg 360

atttcnaacn aacnataatt tttccnaaga aactnaaaca aagnttttgg ngnaanttgg 420

naaaagttcc ccaatggttt tggtgaaaaa nccnttggcn ggattaattt ngaattgggg 480

aaatggggta angttccgg 499

<210> 2947
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-018-Q1-E1-G10

<400> 2947

gtaccggtna ccaaattccc gggncgaccc acgcgtccan ccacgcgtcc gcccacgcgt 60

ccgcccacgc gtccgagcaa tctgggcatg acaaagtcca tgaatttctt tcagaacatc 120

attaaacctt tcaaacgcag ctccaatcga ggtaagatcc gtttgatttg ttgattctta 180

gtgtaagatt aggtttttgt gaaatttgac taacttttc ttcgttgact taaaggtctt 240

gaagatgata ttgagcgaat tgctgctatg gagcaaaaag ttttcccatt tcaagtttta 300

gtttccgcta ccaaagattt tcacccgacc cataaactcg gtgaaggtgg tttcggtccc 360

gtcntcaaga ttacctgacg ggagagacat ancagtgaag aagctatctc aagtttcaaa 420

ggnaaagnaa aaacnagttt gtgaacgaag gtaagttgtt ggctaaaat 469

<210> 2948
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-G2

<400> 2948

cgnggtctac cggtcacaca tcccgggncc ccccacgcgt cnagantgct ttcacggcgg 60

ttactgtttc tatccttttt agatcagctc ttgcggagcc aaagtcgatt ccttcaacgt 120

ctatgtaccc taccttggac aagggtgatc gcgttatggc ggagaaggtc tcatactttt 180

tcaggaagcc agaggtttca gatatagtaa tcttcaaggc tcctccaatt ttgctggaat 240

atccggaata tggctacagt tccaatgatg tattcataaa aaggatagtg gcaagtgaag 300

gtgactgggt tgaagttcgt gatgggaagc tctttgtgaa tgacattgtg caagaagaag 360

attttgtctt agaaccaatg tcatatgaaa tggaactaat gtttgtcccc aaaggttatg 420

tctttgtcct tggtgataac cgcaacaaaa agcnttgact cccataactg ggggtccact 480

ttcaataaag aacatccntt ggaaatt 507

<210> 2949
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-G3

<400> 2949

acggnatctg aaatcccgcc gttgtcgtca tcaaccgccg cagcggagga atctgganag 60

aagaccagca agaangcggc taagaaggaa gctgccaagc tanagaagtt aagacgtcgt 120

caagaacaag aggaagcaac gcgtcnaaca gcttcgatct ctctggaaga gaatgacgag 180

ttttccaata actacggcna cgtgactctt accgagttgc aatcgtcggc ggatccgaaa 240

gccgggaagt ggatanaggc tgttgaggga aangagtgga ccgatgtnag ccattttggt 300

ggaaagagat gttggaatca aaagttctga tnaaaaggcc gagttcacac gaatcgtcca 360

acgtctaaca aaanttgggg gtttgtngtc cntgaaggga aaaccggatt aaactgttca 420

attgcgttgg ttaaccaatc cagngaaaga ccaaaagtta ggtngccaac aatgggttaa 480

attacctc 488

<210> 2950
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-G4

<400> 2950

anatccctac ggggtctacg gtcacgnatc ccgggnccca ccaagccttc nanaaannng 60

tccgatttac acggcgtctc gggccatcac gagcctaatt ccgaacctcc aattccgaca 120

ggttcgtcga gtccgaagct gaagattagt cccaaattga atcggtggtc tangggccga 180

gctttaagat ctggtgttaa gcttgaccgt ccaattcccc gttccgataa ctcacctcgc 240

cgtcaagtaa cggaagccca accgaccgat gaggctgata agaagacgac ggcgatcgac 300

gtggaggtaa cggcgggaaa gtctatatat ttggtttccg acggaactgg gtggacggca 360

gagcattccg ttaacgccgc tttgggacaa ttcgaaagat ttttccgttg aatcgtggct 420

cctctggtga atacccatct cntctcctgg ggtgaaggat taagganaag gctaancgag 480

aattattaag caaagcggna aaaggaaagg ggaaatgtnt ttc 523

<210> 2951
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E5

<400> 2951

natggtgcta aggtggtgta tcagtttgga aggacgagga gagggagata tagtgcaggc 60

actgcggaat ctagcaagtt ctataattca agtatgtatt gggatgagtt catttggggt 120

ggtgcttgga tgtattatgc taccggaaat gtaacgtatc tcaatctaat cacccaacct 180

actatggcca agcatgctgg tgccttctgg ggtggccctt actatggtgt atttagctgg 240

gacaacaagc ttgctggtgc tcagttgctg ttgagccggt tgaaggttgt tcctgaatcc 300

tggatatcca atatgaaaga aaattctaaa ggaccttcca acaatcaaga ncaagcaata 360

antccatgtt gctcaataac tttgcccaaa ttttcaaaca aaattttaac aagaaaccaa 420

atgggagggt ttaataanaa ntttgaatcc attgganctc caanaagccg cctgcaataa 480

ttccggtaaa atgcaancct tt 502

<210> 2952
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D3

<400> 2952

aattcctgcg tanctaccgg tcatcaatcc ggggcnncca cgcgttcnaa aaaacacacc 60

agaacagaac tcagccatgg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnncg ctaatctcac cggcgatttc acaacaggct tgcaaatcac agaacttgaa 180

ctccgccggt ccgttcgata gttgcgaaga ccttccggta ctcaattcct acctccatta 240

cacctacaat tcctcaaatt catctctctc cgtcgctttc gtcgccactc catctcaagc 300

caacggtggc tgggtcgctt ggggctatta aacctacggg ggactaaaga tgggtggttc 360

caaagcctcc cccgcttaca aattcgggcg gtggtgccgg tccggtcgtg aagacgttca 420

acattagcan ctacaggaan tctcgtccaa agnaaacttg ctttgatttt ggaaccnacg 480

cgccgat 487

<210> 2953
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D4

<400> 2953

aattctctgc gnggtctacg gtcanacatn ccggggnccc ccaacgcgtc canaaaccgc 60

agacanagaa acaaattcgc agacaatagt cgaaaatggc tgaaatctcg gcgannnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncgtagctc ccanaatggt agcttaaaat 180

gtcagaatgt agctgttcca aaaactactt cccagttcca agagttatct ctgaaacgaa 240

gccagcttgt tggcaatgcc gttgttaccg gtcatgttac cggatcccgc agctgcaaga 300

atcaagctat tcgagctgtt ctatccggtg atggaaccgc cttgactact gattcaaagg 360

aagctgggac ttcgtgggaa actgaaaaag ggtcgttcta ancttacaat tggaaggctt 420

agacaactct gtcaattgng cccaatgggc ttaaagggag aaactnatng gnttgtgaaa 480

nttggtgttg cttcaactgg ccngatgntt tggtcaaggg caataaaaan 530

<210> 2954
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D5

<400> 2954

agaagcggac aaaccaaaga atccaccgga gctagtgata tgggtggttc cagagagttc 60

cgagctgagg aacattcaaa tcaattccac tctatcatcg ccatggccat ctggcttggc 120

gccattcact tcaacgtcgc tcttgttctc tgttctctca ttttccttcc tccttctcta 180

tctctcatgg tcttgggctt gctctctctg tttatcttta tcccaatcga tcatcgtagc 240

anatatggtc gtaagctcgc taggtacata tgcaagcacg cgtgtaatta tttccccgtc 300

tctctgttac gtcnaggatt acgaaagctt tcaagcctaa tcgtgcctaa gtctttggnt 360

atgaacaana ttccggtggc taccgaattg gaatttgttg gcnctttgtg attcncacan 420

gggttaangc ccaattccta acattaaagt ttcttgcaa 459

<210> 2955
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D7

<400> 2955

gcttcttctt attccatttg atctaagttt ctcgaaatag gtacaaagtt cgagtctttt 60

tcttgtaacc gcntgaaacc accaanaaac ctatagtaag agtttccgca natgtgaatt 120

aaagacagct catcactctg tcaaacttct anagtattaa gttaacgaag cangtacagc 180

caaactaaaa taacgcggag ttatgggaat catcgacggt tctttgcttc ggcggttgat 240

ttgtctctgt ctctggtgtc ttctcggtgg aggagtgacn gtggttacgg cnnangatga 300

taaagaantg gacataaaca cttaatcaaa accccgactt gggctggttg ctgcngttgt 360

acttcctcan cgtggttccg gtcctccttg aaaactctna caaaagttgg aaaggtcnaa 420

gggatcggac aaganactct ctg 443

<210> 2956
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D8

<400> 2956

nattcttgtg atcttgtctt gacgaaaaaa tggacgatgt gaccgtgatt tcttcgagca 60

ttgttcaacc cggaaacgcc aggcattcgg gtcgggaaaa gatccatctc actccatccg 120

atcttagcct tctctatctt aattaccctc aaagaagtct cctcttcccc aaaccctacc 180

cggaaacccg gttcatctct cggttaaagt cctctctctc tacgtctcta gagatctact 240

tcccccttagc tggtcgtctt gtcaaagtca acaaccatga agacaatacg gtgtcgtttt 300

acatcgactg tgacgacggc cgtggtgtca aatttgtcca tgctatagcc gaatctgtct 360

cggtaagcga tatccttcaa cctcaaggct ctgttcctga ctttttcaag gctttccttc 420

ccaaggaacg gtgttaagaa gcatcgacgg gtcctcaaaa nc 462

<210> 2957
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D9

<400> 2957

ncttctcgaa atcgtctcct gtttcntctg ctttcatgga tgcttcaaat cccaattctt 60

ctagaaaatc taatgtctct tccttcgctc agtccantcg aagcggtggt agaggaggag 120

gatatgagag agataacgat cgacggagac ctcagggtcg tggcgacggt ggaagcggaa 180

aggatagaat cgatgcactt ggacgactct tgacgagaat attgcgacat atggctactg 240

agctgagant gaacatgaga agtgatggnt ttgttaaagt tgaaagaatt acttaacctg 300

aatttgaaaa cttctgcaaa tatcaattta agtcacacac gattgatgaa anttagagaa 360

ggctgtgaaa aaggacaata agcaacggtt tagtccncat ccattaagaa atggganaac 420

tccttgattc gcgcca 436

<210> 2958
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E1

<400> 2958

tgcgnccgta cggtcaaaaa tccggggncg acccacgcgt ccngnagnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

aaaatccgac agtaattttg accgttgttt tctccaacgt ctctctctct ctctactgtg 180

tatccctcac gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt 300

ccttttgaca ttttcacaac aacaaatcca aagatttaca acaattctca nccggggttc 360

tgttaattct gagtacaatc tcaaccctta aataanaaaa caaagcaaaa atctcctcaa 420

aggggtttta aaggactaaa agaagcnttg tcctggtana ataaagcaaa agaatccttc 480

ctaatggncc tttttcccaa gtttaanggc ga 512

<210> 2959
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E10

<400> 2959

ggtaccggta accaaattcc cgggncgacc cacgcgtcca gtcatcggtc gcctcatcgg 60

aatggtggtg gtggtagtgg ttgtcctagc cgttctcata ctaggcatgc ttcttatgac 120

acgattgact taccaaatga ggagctgaga aagaggagtg agttgcagcc aaccaagatt 180

gttgttctga aacctaacct cggggagcca cgttatgctg ctagaacttt tgcatcgcca 240

agctcttctt ccgatgagtt cagagcagat cgtaggcttc catgcaccac cactcatggc 300

aggcagaaaa gtaatgaaga tgtccgcctg tcaagacaga attcaagaga ttgtggagaa 360

atggccaaaa taatgtctaa gcaaaggaan gtgagctgtg gcaatggtcg tgccatgagt 420

tttgagactt cangatttaa angatatgca ngggatgaaa gctcatcaag 470

<210> 2960
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E11

<400> 2960

ggtaccggtn acaaattccc gggncgaccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnaggaa caacattgct acaatgtgga agaggggatc acattttcct 360

tactcatgtt ggtattcctc aagaanctcc gaaataacat aacttcctgg tcaatcaatt 420

tcaggttaat aaagctccgg ctccgaagtt aatcaaaggc gtccagaaat gaagaaa 477

<210> 2961
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E12

<400> 2961

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gggtggtgaa gaggaagttg tttctgttga gctaccagca ccttcttcat ggaanaaatt 120

gttttacccc aacanagtgg gttcagtgaa gaaaacagag gttgtgtttg tggctccaac 180

nggtgaggag attagtaaca naaatcanct ggnncagtat ctcaaatcgc accctgnaaa 240

ccccgcgatc gcagagtttg attggacgac tagtgggaca cctatgagat ctgcaagaat 300

cagtgagaag actaaggcta cgccgtcacc aagataaaga gccaccaaga aagcgaggta 360

naaacaaatc nccattgtca aagaaaggat gcagaaggtg agaaatcana gggaaganga 420

caaggaaact ctca 434

<210> 2962
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E3

<400> 2962

ttctgccgna cctaccggtc acaaatccgg gtcnnccaag cgtccgggaa ntccatttng 60

caaaaacgcg atgaccacag taaactgagg gatatatgga agagatggct cagattacag 120

gaagtcctga tgccgctatg aaagctctca cgcaagtaat cttgcgatta agagctaact 180

ctttcgacat ggatcatgga cttgtcttgc taccaacatc ttttccatat atccctcaag 240

tgactgaaag ttcgagcaaa tccaaatacg cannacgcga tgaccacagt aaactgaatt 300

cgaattctaa ganaagaaac catgtttctt aaatcaanaa aaacaatcct tagagaagga 360

anattganaa tgttcagaac tcaatgttga tgcaaatttt atacaatagt aagttacntg 420

ttaggaaaaa ataatttgcc naatgcaatt cacaataaga aatgtaacat gagatggggt 480

gtttcaacct tggnccttt ttccttttac gttgggaa 518

<210> 2963
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-E4

<400> 2963

cgtaccggtc caaaaattcc cggggcccaa ccaacgccgt ccagtttatt gagaaatatg 60

gtactcatgt tgttgttgga gtgactatgg gaggtaaaga tgtcattcat gtgaaacaga 120

tgcgtaaatc gaatcatgag cctgaggaaa ttcagaaaat gttgaagcat tggggtgatg 180

aaagattttg tgttgatcct gttgaaagta aatctcctgc ttctgtttat tcagggaagc 240

caaaggagga gaatcttcta caatggggac ttcaaccgtt tggtacctcg gttagctctg 300

ctgttgtcat gcataccaag aacgaggaga ttatgagggt ttgtatcaga agaggangtg 360

ttgatctggg gcaaaagtca tgaacgatgg ctctcaacag tatcacaaag cacccaaacg 420

tttatatcna ngtgtttggt tccnataact tcactcntga accggtctcc aagaacagga 480

ttcctaancc atncattgaa cttaacct 508

<210> 2964
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-018-Q1-E1-D2

<400> 2964

ggtnagttaa aaaaaaaaga naancntttt ttggttctnc tncttcntct tcttcggaca 60

aaaaggaaga tggtgttgac tgattcttaa gatgggtttg tgttaagttt gtgagtatag 120

ttgaaagttt cagttcaatt tcaatggagc ctccaatang atttcgagct tctttattcc 180

aattcttact cttccttcct tatttcattg gattgctatt tctgggtttc atcaaaggta 240

ttgttttgtg cccactcgta tgcctcgttg tgactatagg caactccgcg gtcatactga 300

gtcttctacc agtccacatc gtttggactt tctattcaat cgtgaagtgc caaacaaagt 360

aggaccaatc cttgaaagat cttccatgcc taagtccttc ctgctggcan caatcctctg 420

gnctaatggt tggaatttaa ggaantgttt tgggaaa 457

<210> 2965
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A9

<400> 2965

ngccgcccgt accggtccaa aaaatcccgg gtccanccaa gcctncgaaa anaanggaaa 60

agaannncaaa nnggtcctgg aaatcngtgt gaaagctgct gttggtgctc ctgatcatct 120

cggcgactgt ccgttcagcc aacgggctct tctcacactc gaggagaaga gtcttaccta 180

caaaatccat ctgattaacc tctctgacaa accccagtgg ttcttggaca ttagtcctca 240

agggaaagta ccagtgctta agatcgacga caagtgggtg aactgattcc gacgtcatcg 300

ttggtatact cgaggagaat atcctgattc aacactcaag actcctgctg aanttgcctc 360

tgttgggttc aacanttttg ggtacttttg ggacaatcct tgaanaacca aagactccca 420

atgaccggtt tgaacattnc cttgcctgt 449

<210> 2966
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-B10

<400> 2966

atcccggggc ccaccaagcn tncgaannnn antcnaaana attncgtnaa ttacnaantt 60

gcaaanagga aaaaaaaatg ggncaagctt tgggttgtat tcaagttgat tcagtcgaat 120

ggtagcaaat caaagagnct tttggggaaa ttcgacgaag ttcttgagcc ggggttgtca 180

ctgtttgcca tggtgtttgg gaagtcaagt cgctggtcac ctttctttac gtgttcaaca 240

gctcgatgtt cgctgcgaga caaagactaa ggataatgtg tttgtcacgg ttgttgcttc 300

cattcaatac cgtgccttan cggagagtgc tcaagatgct ttttacaagc tcaacaacac 360

gaaggaatcc agattcaaag ccttangtcc tttggatggt gattccgaag caaagtgttc 420

cctaaactgg gttctaaaac ccaacctttt gagcaaaang aatgacaatt gcaaa 475

<210> 2967
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-B11

<400> 2967

gcctacggtc aanattccgg gnccccccacg cgtccagnag cccgccgaag cttggccttc 60

atactttgta tgaggggtag gggagcgttc ccgtaacagt gaagcgcccg tggcaaacgt 120

tggcgtggag tggcgggaag tgaggatgcc ggaatgagta cgcgcaaatc caagtgaaaa 180

ccttggacac cgtaaaccca agggttcctg cgccatggca atcagcgcag ggtgaggcgg 240

agcctaaggt gaggccccag aggcgtagcc gatggtaaac gggttgacat tcccgtcccg 300

tcttgcagtg tcnaagcatt caaggacacc ggaacgaagg ancaaccggc tgtgttgatt 360

ggccgttcta aggggttaag catcncccca aggcaaccna aacctcatgg anaaaatgcc 420

gggccaaccc aaggtcaatt gttctggaat ccacgggcaa aaaaaactga a 471

<210> 2968
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-B2

<400> 2968

aaaaatcctc ggatctgttg cattctctcc aaagcttgaa tcagaagaaa gcttttgaag 60

atcagcctaa aagtgatctc tcataactgc ttaaaagatt gttgaaactc gaagatgtct 120

ttggccgaga taaacaagaa tgaagtcgac attgttattg gggctcttaa tgctgacctt 180

acacagtttt tgaccagctg gaggcctttc ttctccggat tccatctgat tgttgtcaaa 240

gatcctgagc tcaaggagga actcaacata ccagaaggct ttgacgtaga tgtctactct 300

aaagactgac atggaaaang gttgtgggcg catccaaatc caacaagttc ccctgggcta 360

attcctgcag ataattccgg ttaaccccgt aacctaaaaa agaanttcaa ttgtcctcna 420

atttgatgaa tgaattgtgt tccctggcta aaana 455

<210> 2969
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-B4

<400> 2969

ccgntcccac ggtcacaaat ccgggncgac ccacgcgtcc attactctct ctctgatcgt 60

cgtctttttc ttttgattct gctttttttcc gctaggtttc tgagatcttc cattcgtctc 120

gaattaagtt gctacgatga aaacagcana ggggaaagat aaagttaaga ccacaaagga 180

agccttgaag ccagttgatg acagaaaggt gggaaagagg aaggcaccgg ctgagaagcc 240

tactaaacga gagactcgta aagagaagaa ggctaaaaag gacccaaaca aaccaaanag 300

agctcctagt gccttctttg tctttctaaa agattttagg gtcacgttca agaaaagaaa 360

atccaaatgt naangccgtc tctgctgttg ggaaagctgg agggcanaaa tgggaantca 420

atgtctcaag cctgaaaaag ctccatatga agagaaaagc tgcaaaaagg aaagctgaat 480

atganaaag 489

<210> 2970
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-B7

<400> 2970

gccgntcggt accgaacaca nattcgcggg tcgacccacg cgtccnaaca aaaagaaaac 60

acctaaatcg atctgtgaag tcaaaacact ttccagtttc agattctgat tatggcaaca 120

ccggagactc gtggcgttga ttccgattta gagacagcgg agaagataat actccggtgg 180

gattcaacaa catctgaaga agctaaagag aatctgattt tccaaagcgg tggtgatcga 240

gaagaagtag atcggtactt gaaagctgta gatgaagttc aaagacacat ctcttcaatc 300

tcaatctccg atgaagtcaa agcaacgatt caaatcgcca tggctagact cgaggacgag 360

ctaagaaata tcttaatctc tcagacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncgta cggagcttga agatgacact 480

tgcgatga 488

<210> 2971
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-B8

<400> 2971

ncggacgcgt ccgcccacgc gtccgaacag agcaatctct aaaaaatctc aagaaacctc 60

actaaaatgg gttcaacggn agagacacaa ttaactccgg tgcaagtcac cgacgacgaa 120

nctgccctct tcgccatgca actagccagt gcttccgttc ttccgatggc tttaaaatcc 180

gccttagagc ttgaccttct tgagattatg gccaagaatg gntctcccat gtctcctacc 240

ganatcnctt ctaaacttcc gaccaaaaat cctgaagctc cggtcatgct cgaccgtatc 300

ctccgtcttc ttacgtctac tccgtcttaa cctgcncanc cgtanacttc cggtgatggc 360

gttgaacgga ttacnggctt ggtccngttg caagtattgc caatnacgaa gatggggttc 420

aatgctgcnc t 431

<210> 2972
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-C1

<400> 2972

aagaaaaggg aaaattacca gacaagagtn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngaaaatct agaagaagag aaagctacaa 120

aaatctcaac atcgaggtaa gagttttggc tacagagcaa ccatgctaac ttgcgccttc 180

tcccaaaatc ttatccacta atctcggtaa ggaaagtgat gttggcaaaa tggtgaagaa 240

aggaagttgg ttttctgcta tcaaaagggt ttttactcca cattccnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt ttgggaagct 360

aangnatggc gagaccaatt caattcttcc catcttcaga gagcctanta gtatcgaaaa 420

gatnttgggc gaagctgag 439

<210> 2973
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-C12

<400> 2973

ttntagccgg cccgtaccgg tcaaaaatnc cggggcanna aaaggaaana aaaannnnan 60

nnanacaann cnaaanggng atgattacnc gcaanaccgc cacgcgcctc cctctcctcc 120

tccaatctca acgcgccgtc gccgctgcct cggtctctca cntccacaca tcccttcccg 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnt aaagcggccg aatttgtgat ctccaaggtc gatgatctca 300

tgaactgggc tcgtaccgga tcgatctggc ctatgacctt tggtctcgct tgctgcgccg 360

tcgaaatgat gcataccggt gctgctcgct acgatntcga tngattcggt atcatcttca 420

ggcctagtcc tcgccagtct gattgtatga ttgtcgccgg taccttaaca ataagatggc 480

<210> 2974
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-C2

<400> 2974

ttccttctgn ccccacggtc canaaatccc gggtccaccc acgcgtccga acangcgtcc 60

gcagaaaatc gttgttgtgg acagcgagat gccaagcaga ggaggatcag aaatgaggag 120

aattgtgagt tttgttggcg gtattgatct ttgtgatgga agatacgaca ctccgttcca 180

ctccttgttc aagacattgg acacagtcca ccatgatgac ttccatcaac ctaacttcac 240

tggtgctgct atcactaaaa gtggtccaaa gggaancctt ggcatgacan tcactccccg 300

ttcttgaaag gnccaattgc cttgggaagt ccagtncaaa cttcnaacca aanatgggnc 360

caanccaggg tggtaaaaaa cattcccggg ttaaattnan aaaattntta agggaaattt 420

attaacaacc ccttcnccgg ttaagnttcc aaaaagggcc cccaattttt ggaaagttcc 480

aattnttaag gcccatngat ngaggacccc cccctgg 517

<210> 2975
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-C4

<400> 2975

cccacggtcc aaaaatccgg gtcnaccacg cgtccgncgg cattaatttg agtggtgggc 60

aaaagcaaag gatacagatt gcacgtgctc tctaccaaga tgctgatatc tatctgttcg 120

atgatccttt tagcgctgtg gatgcacaca cagggtcaca tctctttaag gaagttctac 180

tggggctttt gtgttccaaa tcggttatat atgttactca tcaagttgag ttcctaactg 240

ctgctgatcn taaaccggnc ntgaaagatg agaatcngcc nagcnggnaa attccaatga 300

nanccncaat ccngganctg attccangga ccttaaaggt gcacatcagg gaggctcttn 360

caatatttga cctgtagaat gcnaatttcn gtttctgaaa aaatcaacnt ttaggccaaa 420

naaaatgtta attgtnaaaa anatcctaan cccctgtttg attaaaaaac ctaaaaaagt 480

ccagggtttt gaa 493

<210> 2976
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-C5

<400> 2976

ttttttttt ttttttttt agatcaacgg aagcttaaaa aaagtcacta aaaaattaat 60

taagatttct gttaaagaaa atacaaaatg gaccccaaca gcaaaaacaa agacaacata 120

gtattaagag attagtcgac atagcaaaag tacaacaana acaanaanac accangaaaa 180

gaacacatcc ccttctctta cccagaatcc tcctcttggc ctcagttcac tcattagatt 240

caccancaaa aagaagagta aagaccgaaa caagccggat tcaacaacta tacaatgttg 300

caggtgttcg ttttccttca gcttcttttg ttacctaaac ctttttcgt tttaagagat 360

gttcgatnac aagaacacgc agcggttcnt ggtccttttc ttcctcctct gtntccgtgg 420

gctgaaanca ccacttttat g 441

<210> 2977
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-C9

<400> 2977

anatttttc cgcggcctac ggtccaaaaa tcccggggcc caccaagcnt ncgnaagggt 60

ttngtncctc cttcctnaac gggnccnnaa nctagtgggg ganctaacnc atcaaccttt 120

gcacaaggag aagatgatcc ttggtttgct gcactgggga aggagggtgc attcacatta 180

cttggaatga ccgaggagca atctctttgg agggtctaga tctaaatgtt gtggagaatg 240

tggaagaagc tgactttgtt ttagcgcacg gcactgaagc cctangactt ccttcaggca 300

ntgtatctcc aaggactatt gatgagctag agaagatttt ggagaaatct gcagctcnan 360

gacttcccat gatcgtagct aatccaaatt acgttgactg ttgaaagcaa atgtttttca 420

natcatgcca agtacactan cttccaaagt ntgaaaaact gggaaggaga aatgaatcca 480

tnggaaaacc t 491

<210> 2978
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A7

<400> 2978

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accaggtggt ccaccaatgg gtcagcaact cttctatggt caagggcctc ctgctatgat 120

tcctcagcct ggattcggat atcaacaaca gcttgtaccg ggtatgagac ctggtgggtc 180

tccaatgcca aacttcttca tgcctatgat nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt cttccacaac cacaacaacc 300

ttctcctatg atgcagcagc agatgcatcc aagaggtcga atgtatcggt atcctcagcg 360

agatgtaaac acaatgcctg gtcctactca aaacatgctt tctgttccat atgacgtctc 420

aagtggtggt ggtgtgcatc atcgtgactc gcctacntct caaacctgtt cctattgtan 480

ctttggctac acggcttggc 500

<210> 2979
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-H5

<400> 2979

aattctaccg nacggtaccg gtcntaaatt cccgggccga cccacgcgtc cangacaatg 60

gtaccggtat ggtgaaggct ggatttgcag gagatgatgc tcccagggct gtttttccca 120

gtgttgttgg taggccaaga catcatggtg tcatggttgg gatgaaccat aaggatgcat 180

atgttggtga tgaagcacaa tccaagagag gtattcttac cttgaagtat cctattgagc 240

atggtgttgt tagcaactgg gatgatatgg aaaagatctg gcatcacact ttctacaatg 300

agcttcgtat tgctcctgaa nagcaccctg ttcttcttac cgaggctcct cttaacccaa 360

aggccaacag agagaagatg actcanatca tgtttgagac ctttaactct cccgctatgt 420

atgtcgccat ccaagctgtt ctctccttgt acgccagtgg tcgtacaacc cggta 475

<210> 2980
<211> 417
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB22-016-Q1-E1-H7

<400> 2980

catcttgttg cttcggagcg agcgagaatt atcgtcggag aatttatcgt ctctctctct 60

gaaaattctg atcggtgaag aatcgtcgga tcgaaagttc gtttatcttc tcgtttacgt 120

ttccgtgatt taaatccttt ggggtttttt tttcttgatt tcagaagaag aagagaagaa 180

acaatccgta atctagaccc ttgaattgac ctaataatag gatacatatg atgactatga 240

agcagtcttt gagtggcagg gttcttaggg gggtctttgg tatctatctg taggagggct 300

tttaggtgct gtttcgggag attaaagcca gattcaaggt gagtctgaga gcttggttct 360

tgtatcttct tgtttaccaa tgggaatcta ggtcactgag aaaccatcct tcttgtt 417

<210> 2981
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-H8

<400> 2981

gcccggtagc ggttaaagaa ttcccggcnc gacccacgcg tcancccacg cgtccgatca 60

aaaaaaactt gcacatcttc tcagatcttc aagtttctcc tctggtttct catcatgacc 120

gttgatatta tgcgtttacc taagatggaa gatcaaacgg ctatacaaga agctgcatca 180

caaggcttaa aaagcatgga acacttgatt cgtgtcctct ctaaccgtcc cgaagaacgt 240

aacgttgatt gctctgagat cactgatttc acagtttcta agttcaagaa agttatctct 300

cttcttaacc gttccggtca cgcccggttt agacgtggtc cggttcattc ccctccttcc 360

tcctccgttc ctccaccggg tgaaagtgac aactccggct cccactcaga tntctgctcc 420

aagcaccggt tagcttcgtt caagcaaatc aacaaagcgt gacgttagat 470

<210> 2982
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-016-Q1-E1-H9

<400> 2982

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ctccgttaat gttggctgcg atgtatggaa gaatctcttg tgtgaagaag ctagctgaag 120

ttggngctaa tattttgatg tttgattcng tgaatcgaan aacatgtttg cattacgctg 180

cntantatgg acatgcnaan tgngttcaat ctattctctc tgctgcncaa tcaagtcctg 240

ttgcngtcca ntggggatat gcgagatttg tgaacataan agatgataaa ggagcgactc 300

cgttgcattt agctggcncg acagagacga cctgaatgtg tgaatgtttt gttggatact 360

ggttctcntg tttgtgcatc aactatgtaa angggtctca aggaaac 407

<210> 2983
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A1

<400> 2983

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncagtccccg atttccgctt 120

tatccgatcg gccgccgccg agattctaga taaacctatg gcaatggagg ttacgcagtt 180

gctcattaat gctcagtcga ttgatggaac tgtacgtaag cacgcggaag aaagtcttaa 240

gcagtttcan gagcaaaacc ttgcgggttt cntgttgtcg cttgctggag aacttgcnaa 300

tgatgagaan ccagtagata gcaagaaatt aactgggtta atccctaaaa atgctccttg 360

aagctaaagg aacaacacan gaaatatgaa ccntggtcaa aaatnggttn gctccaagac 420

atgtcaacaa aagtccncaa anttanannc ttttcctggt ttgaanaaaa ctgtccnggg 480

aacctgtggc cctg 494

<210> 2984
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-017-Q1-E1-A10

<400> 2984

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ataaaaaacn aanaanaana agaanacaat acagttcaca acgccatggg gtttaggcat 120

cttaagcttc tccgaaacaa ttcgaccaag cttcacgtct tcttcnatct caaacctcca 180

atttcttcct ccgcacaatc gtctcaaaac cagagctcca atctcctgaa tccgctgctg 240

tctctgagcc tgagccgccg acacagattc tccctcctag aaaccctgta ggtggagcac 300

gcgtccactt ctcgaatcct gaagatgcga tcgaggtctt tgtcgatggt tacgcggtca 360

aagtccctaa angattcact gntcctcaag cttgttaagg tccctggaat tgataanccg 420

aaggtttggt aacaatcctc gtttaaccna ntggctggaa atttgcaagg atgttgtcct 480

tgttgaaggt tgaa 494

<210> 2985
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A11

<400> 2985

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agcaagtttt tgacagtgga tatgagacca ttggcactca ctggtgttcg gtttgacaat 120

gatatgggtg ccaccttctt cattgacgag gatgagaaag tcgctgtggg ttttcgatct 180

agacggatac ctaagcaccg agagcgctcg ttaccacacc gcttttatca gtggaaagga 240

tggattcntt aaacctgtga ctctaggagt agctcccaat gtcngggaac cttgtcccag 300

aaccgggcat attccgacta catatcgtcc cccgccttgt cctgctcgtc tacttacctt 360

ccgaagttta ntgcaagtca accaacagcg caaaanggaa gaaagacatg tttantttc 420

c 421

<210> 2986
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A12

<400> 2986

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gttncaaana tgttaaatag tttcacacca tcaagagatt ttgacgggtt agtagggatg 120

agagctcata tggatatgct ggaacaattg ttgcgcctag atttggatga agtaaggatg 180

atcgggattt ggggaccgcc tgggattggt aagacaacta tcgccagatt tctgtttaat 240

caagtctccg acagattcca acttagtgcc atcattgtga atatcagagg aatctatcca 300

agaccttgtt tcgatgagta cagtgcacaa ttgcaactac aaaaccaaat gttgtcccag 360

atgatnaatc ataaagatat catgaattcc caattaagaa gtggctcaaa gaacngtttg 420

agagacaaga aagtgtttcc tggtccccat gaaattgatn aaattaagac aactaa 476

<210> 2987
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A2

<400> 2987

nngcaaagaa ttggcagcga caataacaat gtggaacaac ggcctcagat tatatatgag 60

gacgatgaag gtgataaggt tttgattaca tcggatagcg atttggttgg tgctgttact 120

cttgctaggt ctacaggaca aaaggttttg aggctgcatc tggacttcac tgagtcaaca 180

aggagcttga gctcagaaac cacccaactc aagaaaggtg attctcgaga cagaggaagc 240

ggatgggttt catggcgtgg tggtgtggtg gttacaagag ctgttgtccc aacaaagcat 300

anccataagt ttgttaantt aancgttcaa anaactgatt tttgctgaaa caaactgttt 360

gggaatgcaa naacaaaaac tccttttccc ctnaattttt tgggnaattt tcataaaant 420

ttgccccttg tccttttggg gtcaaatgtt t 451

<210> 2988
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A3

<400> 2988

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tgagtctctt gcaccggagt ttaacaatgc tattccctct agcctaacaa gagagagccc 120

ttatctgacc catccaatct tcaacatgta ccacacggag catgagttgc ttaggtacat 180

ccacaagtta caaaataaag atctatcatt gtgccacagc atgattccac ttggatcttg 240

tacgatgaaa ttgaatgcca ccactgaaat gatgccagtc acatggccaa gtttcaccaa 300

catgcaccct tttgctcctg ttgaacaagc ccaaggttat caagaaatgt ttacgaattt 360

gggtgagctc ctaagtacga tcactggatt cgactccttc tcaatgcaac ctaaatgccg 420

gtgctgctgg gcnagtacgc ccggg 445

<210> 2989
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A4

<400> 2989

gagaacaact tcttcaggtt ctataaagag attccgaaga agaatctttt ccagaaacag 60

tgtaagtctt atcttcttct ttaggcttta agatgactgc tgaagttaag gttgaggaga 120

aacaggtgga gtcagaggtt gttattgctc ctgctgttgt tcctgaggag actactgtta 180

aggctgttgt ggaagagact aaggttgaag aagatgagag caagcctgag ggtgtggaga 240

agagtgcttc cttcaaagaa gagagtgatt tctttgctga ttttgaaaag aatcctgaga 300

aaaaaggcac tggagttgat ctcaagtcct aaagctttga aggaanctat tggtttgaca 360

acaactcctc cttannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnngt tgttgaaaac cctgaaagcc tgaaggtttg agaaagaaag 480

aaagg 485

<210> 2990
<211> 479

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-017-Q1-E1-A5

<400> 2990

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cggagatata tatcttcgac atcggtgaag aatggggtac cgtcgtttta ccgatggttg 120

gccgagaagt atcctctttt agtggcggat gttatcgagg aagagcctgt tgaaatcgaa 180

ggcatcaaga ttcctgtgga tactagtaaa cctaacccta acaacctcga atacgataat 240

ctttatctcg acatgaacgg gattatccat ccttgctttc accccnaaga taggccatct 300

ccaactacct ttgaggaggt gtttcantgt atgtttgatt acattgatag gcttttcgtg 360

atggtacggc caaggaagtt actctatatg gctattgatg gtgttgctcc aagagctaaa 420

atgaatcaac aaaggtctaa acggtttaaa tctgctaaag atgcatccgg tgcactgct 479

<210> 2991
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-H4

<400> 2991

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acttcactct ttagctcaaa ccctacaatt tcagctaaaa tagggcaaaa ccctcgcggc 120

gtcagatcgg tttatccgac ggtgagaatg cagtcacgtg ttcaccgtct gattgaagag 180

caaggtgctg tgcttattcc cggagtctac gacgcattat ctgcggctat tgtgcagcag 240

accggattct ccgccgcatt aatctccggt tacgccctct ccgccgtaac tttgggaaaa 300

ccanatttcg gtttgataac acctccggga gatggcagca aacggcgaaa ttaatgttgt 360

gctgcgggtc caaaagantc caatcantgc aagatgcana tactgggtgg agggaaatgg 420

ctctcaaatg ttcaaaagaa ncgtcca 447

<210> 2992
<211> 450

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-E9

<400> 2992

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aaccgtgatc aagatgcaga tcttcgttaa gactctcacc ggaaagacta tcaccctcga 120

ggtggaaagc tctgacacca tcgacaacgt taaggccaan atccaggata aggaaggtat 180

tcctccggat cagcagaggc ttancttcgn cggaaagcat ttggaggatg gccgcacntt 240

ggcggattan aatatccaag aacgantcna tcctccactt ggttctcaag gctccgtggt 300

gggtatgcaa gatttttcgt taaaacccta acggggaaag acgantactc ntgaaggtgg 360

anaagctctg acancattga caacgtcaag gccaanatcc aagataagga gggtattcct 420

ccgggaccag caganggttg atcttcgccg 450

<210> 2993
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-F11

<400> 2993

gcggacgcgt gggaatcgat ttcattgatt ttttccatat tcacagcgaa agaatcgatc 60

cttaatacaa aattccttca agatctcaca tctcttataa gnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc tgccggatct tcaaccttgt 180

ctgaagaaga cattttctag ggtttctaga gattggtcgg gttttcggtt caagtaaatg 240

gtggatcagc ctatcgtacg ctccacttca ttangttatc aacgacaata ttcatcatct 300

aataatcatc atcaaaggtc ntgcttcgat cctgaatcct ctngctggct gctgccttcg 360

aataantggt ccttcgacaa tcaaccaagt ggttattgaa aaagcaaatg ctgaagcgtg 420

attcggagtg c 431

<210> 2994
<211> 420

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-F3

<400> 2994

gngtgaacct ctcccaggca ccgaactgaa agaggtatgg aaactcgctg atgtgccaaa 60

ggatgacaaa tatcaataca ctcactttgc tcacaagatt aatagcttcg acactgcccc 120

gaaaaagctg ttgccctctg attcacggtt acgacctgat anatacgcac ttgagatggg 180

cnacatgtcc aaatcaggct atnagaagag cancatggaa gagagacana gagctganaa 240

gagaacccgc gaacanaaag gccaagcctt tactccaaaa tggttcgatg taacggaaga 300

agtcacngct acaccatggg gtgatctgga agtttaccan ttcagtggaa agtactccag 360

nacatcntgc anctgcggat aactctgaag atannaccga ccctaagtcc atncaaatca 420

<210> 2995
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-F7

<400> 2995

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ctctgtttca tcaaactctt catcagtgct tcttattttc ttcaaagctt caaatttctt 120

tttttccttc ttgcaatggc aaaatcgaag aaaatttcta caggtcaaat atttggttgt 180

gagagtctcc ttgggtgcat tttccagagc tggagccctc gccgtcgaaa accctcttta 240

ccggaaaagg atcatcgggc aaaagataac ttgtcttcca agtcatcaac aaccgttaca 300

aaccctaaaa tcctcccaag aaaatccacc gatacttctt ctcaaccaaa gaaatctgac 360

tcccagaaac cccaacaaaa gccaaaacca agatgagaat cacccgcgaa aatcatcgga 420

atccgccaag aaaatcatct gantccggca agaaaaacga nttcgtcaag gctcatca 478

<210> 2996
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-F8

<400> 2996

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gtagcctcaa atcgcatagg gaaggaaata attgaaactg agcatggacc tagtcagatc 120

actttctacg gaacttcctt cattgccgga ccaacaggtg aaattgtggc cgaggcagat 180

gatnaatcgg aagctgttct tgtatcacag tttgatcttg atatgatcaa gtcgaatagg 240

cacagctggg gattgttccg tgaccgtcgt ccatatttgt anaangtgct tcntactatg 300

tatggtaatc tcnaactcnt ttgctgttgg aagctttgat cntttgttta agatcacact 360

gnnggaaatc cattanncan caattantac tggcntaacc ttaaacggt 409

<210> 2997
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-016-Q1-E1-G10

<400> 2997

gaagaagcca aaacgtcaag atgctaacaa cccttgtagt ctaaccactc ccaagattta 60

agaattttct tacttttgtt ctagttttgt tgagaaaaag atgcatccga tcttcgatgc 120

catccttcaa aatgaccttc cagcttttct tggtttggtg gaagcgagag aatcttccct 180

ggaggagaga agcgaggaac agaacaccaa caacacggtt ttgcacgtag ctgcaaagct 240

cggtcaccga gaactggtcg ccaagattat tgagctccga ccttcccttc tctcttcccg 300

taacgcgtac ggagacacac ctttgcatct tgctgctctt cttggagacg taaacatagt 360

tatgcagatg ttagacactg gattggaact atattccgca cgcaataaca agaa 414

<210> 2998
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-G11

<400> 2998

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tgaaacccta gcaatttcaa tttcgtttcc tctaatagaa tcttcatctt tttatggcgt 120

aacgttacac gaatttcaac gatttaggtt ttttttttt ttttttgaag aatcaaacac 180

aaagatagaa acaatgtcaa cggagactac cacgggaaat tcctcgttaa ttccagcatn 240

atcatcatcg tcatcctccg acgcaatcga tccaagctcc gttgcttttt aacggcgacg 300

ataatganag gaaacaacgg aggangaggt ggggaacgga gatntgtcag ggagacaagg 360

gntgagagaa gctgcgangg ttccttagtc g 391

<210> 2999
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-G2

<400> 2999

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aaatgtggtt gcattttatg gtgttgtaaa agatggacct ggtgcaacat tggctactgt 120

aacagagtac atggttgatg gttctctgag acatgttcta gtcaggaaag atagacacct 180

ggatcgtcgt aagagactaa tcattgccat ggatgctgcc tttggaatgg aatacttgca 240

cgccaaaaac attgttcact tcgatttgaa atgtgacaat ttacttgtga acctcaaaga 300

tccttctcgc ccaatctgca aggttggtga tttcggtttg tcgaaaatca aaagaaatac 360

attggtatct ggtggtgtac gcggaacctt aacaagggat ggcaacaaag cntctcaatg 420

gtaaca 426

<210> 3000
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-G5

<400> 3000

antttagatt tgcaaagttc gtcttctcca atctacagtt ctacaccaaa tctcagttta 60

ttcgctttga ggacctttt ttgtagattt agaagctcag tgctcgtttt gatttaatct 120

agatccagaa agctgaagtc tttgatctac gaaacgaaat ggttgctaac ttcaatccat 180

cagtggggtc atttgtgtgg gtggaggatc ctgatgaagc atggattgat ggtgaagttg 240

tacaagttaa tggtgatgag atcaaagttc tatgcacttc aggaaaacat gttgttacga 300

aaatctctaa tgcttatcct aaagatgtgg aagcaccagc ctctgggagt ggatgatatg 360

actagacttg cttanttgca tgaacctgga agttcacaga atttgcnatc aagatatga 419

<210> 3001
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-G6

<400> 3001

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gtgcagcaga ggatatcata tcccaaatga gtcaagaaga tgatggtaga aagggaaata 120

aaaaaggaat actcaagaaa cccattacaa agagggctct taaagcatct ggccagtcgg 180

atttctctgg gaatgcttcc aaagacctgc tactaatgca taaacttggt gagaccattc 240

atccaatgac ggaggatttt atcatggttc acttgcagca tagttgcaca cattgctgta 300

cgctgatggt aactggaaat cgttgggttt gcagccaatg caaangattt ccagttatgt 360

gatggatgtt atgaggctga gcagaaacga naagacagag aaagacatct gttaatcaag 420

aanagata 428

<210> 3002
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-G9

<400> 3002

tttctgcctt ctatgaagta tgcaaaggat tagaacttgc aaggaatttc cagtttcctg 60

ttttaagaga gcctccacaa tcttttctta cancaatgga ggaatatatg aganacgcac 120

ctcagatggt cgacgtcaca tctgggccac tgcttctgac ctatacgcct gatgatggtc 180

ttacttctga agatgttggn ccttcacatg aagaacatna aacatcatcg ccttcanata 240

gtgccgttgt tccctctgan naaacgcaac tttcttctca gtcncctcct tcagtagana 300

actcgacana acttcantga tactgatgat ttaatgngtc ngcatgatga tacacctgat 360

tcgtttanca atcctggncc aanatggaat aacctttggg cttaantt 408

<210> 3003
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-H1

<400> 3003

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tgtcatctta tgcaccagtc atctcagccg ccaaggctta ccacgagcag ctatcagtcc 120

ctgagatcac caatgccgtt tttgagccag ctagcatgat ggcaaagtgt gacccgagac 180

acggaaagta catggcctgt tgtttgatgt accgaggaga tgttgttccc aaagatgtta 240

atgctgctgt tggcaccatc aagacaaaga ggactgttca gtttgttgac tggtgcccaa 300

ctgggttcaa atgtggaatc aactaccaac ctccancaag ttgttccaag ntggtganct 360

cgctnangtt cagagagctg tatgtatgat cangtaacaa cncancagtt gcagangtgt 420

tctcacggat ngaccacang tttntcncaa nttgcganga tgggcaattt gtcac 475

<210> 3004
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-H10

<400> 3004

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tctttctctc tctctcagaa actctttctc caataatggc agaggcaagt ttctatatcg 120

gagtcatagg aaatgtaatc tccgtactag ttttcctctc accagtggag acgttttgga 180

aaatagtgaa gcggagatca acggaggagt acaaaagctt gccgtacatt tgcacgttgt 240

taggatcatc gctatggaca tattacggca tcgtcactcc cggagaatat cttgtctcca 300

ccgttaatgg ctttggtgct cttgttgaaa ccatctacgt ttcacttttt ctcttttatg 360

cccctcgaca tctcaagctg aaaacagtgg taatggtagc gatgttgaac gtgttttttc 420

caatcgcggc gattgtggca acgaagaagt gcgtttgaag atgagaagat 470

<210> 3005
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-H2

<400> 3005

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aatcctaatg ccgaggttct caacaaatct gcggcgcttc atatgaccat caacgccgcc 120

aagggtttgc aagatgtact caagtcgaat ctcggtccta aaggaacaat caaaatgctt 180

gttggtggtt ctggggatat taagcttacc aaagatggga acacgctatt gaaggaaatg 240

caaattcaga atccaacagc cattatgatt gcgaggacag ctgttgcaca ggatgatata 300

agtggtgatg gtactacttc cactgttatc ttcattggtg agcttatgaa acagtctgaa 360

agcctgcatc natgaaggta tgcatccacg agtcctaatt tgaatggttt cnaagaattg 420

ctaaagaaga 430

<210> 3006
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-016-Q1-E1-E5

<400> 3006

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cttggttgca atgactaagt gccgtctcca agcaagaaac ttcatgaccc aagagggaat 180

gatggcgact aagaaaatga agcgtcacac aaccgcaatg ccactaagcg ttgcttcact 240

gggaggaagt gttggtgata actacaagca gtttgctggt tcagaaacat ccgatctana 300

atctactgcg acttcggatg gcaagaaggc aagaactgag accgagcatg ccctttggg 360

aggaaatana ggaaataaac cagcgggctg atanatacag ttgttgagat aagttgtgat 420

gaaga 425

<210> 3007
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F3

<400> 3007

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cgctggggtt tggtccgatg accctgcctt gcagcttgag tccactactc agttcaggaa 180

gcttctctct attgagagaa gtcctccaat cgaggaagtg ataagtgctg gtgttgttcc 240

taggtttgtt gagtttctta agaaagaaga ttaccccgcc attcagtttg aggcagcttg 300

ggctctaaca aacattgcat ctggaacatc ggatcacact aaggttgtaa tcgatcacaa 360

tgctggtcca aacctttgtt aacctncttg cttccccnac caataannntn cntnaaaagg 420

ctttangggc tttggttaac ntnncngnga atcnacaacg gggccttant ctggtcctgg 480

<210> 3008
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-014-Q1-E1-F4

<400> 3008

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ttatgcagac gctacaccag tcccaacttc tccagaatcc ggccgaggcg gcgaacaatc 180

agtctgaatc ggacgcgccg ccgaaacagg tggctcaggc catggaacga ctcaatcaag 240

cggctagggt tatcgccgat atccgcctcg gcgctgaccg tatccttgaa gctatgttcg 300

tggcttcgca acctcgtcac acagacatgc ctccttcaac tcttctcaag aagaaaacgc 360

ctccatgcgt caacatcctc aagggattct tccgccttaa taagggaaag aaaattggga 420

agaatcctgg gagtgtttaa ctggaatcca cttaaggtca aaga 464

<210> 3009
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F5

<400> 3009

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aattctctta caggaaccga acatggagtc atcatcgtcg acttttctca ccacgacaag 120

cttagacaag aaaaaaccat ctccggtttc aagaaaatca ccaaagcaaa agaagaagac 180

gacttcgacg aataaaccca tcaaagttcg ttacatctca aaccccatga gagttcaaac 240

ttgtgcttct aagttcagag agctcgttca agaactcaca ggccaagacg ccgtcgatct 300

tcaaccggag cccatctatt ccccttcctc cgacgaccac aacctttctc caccggcgga 360

gaatcttgcg ccacgtgttc ttcatcagga gccgttcggt gagagagaca gtgattgtta 420

tgagccgttg aatgcggaag acatgttttt acctgatcag atgtcggaag gtttttcngg 480

gtttttcc 488

<210> 3010
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F6

<400> 3010

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atggaggttg gattcaaggc attgctcgat gatcttgacg ttctcgagaa atctctctca 120

gatccggctc tgatcaacaa ggtctgcgat cacatgttga gaatctagcc actctgtcta 180

aatgtaatcc tcaccggcgt tccaaagtca aggaactaag ctcggaagtg gtagatagta 240

atccttacag taggcttatg gcacttcagc ggatgggcat tgtggacaac tatgagagaa 300

ttagagagtt ttccgtcgcc attgttggga attggtggtg ttggaagtgt tgcggctgag 360

atgcttacca gatgtggtat tggtcgtctt ttgttgtatg actatgacac tgtcgaacta 420

gctaacatga acagactgtt ttttaaaccg gacaagnttg gtatgacaaa gactgatgct 480

gcc 483

<210> 3011
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F7

<400> 3011

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tgagaaccgc gtaacagatc ttcttacccg ttacaatggg aaatttagac actatgatgt 120

gaacaatgag atgctccacg gatcgttcta tcgagatcga ctagactctg atgcaagagc 180

aaacatgttc aagactgcac acgagttaga cccattagca actctgtttc tgaatgaata 240

ccacatagaa gacggatttg actcgaggtc atcacccgan aagtacataa aactcgtaca 300

caagctgcaa aaaaagggtg cacccgtggg aggaatcggg attcaaggac atataaccag 360

ccccgtcggt cacatcgttc gttctgcttt agacaagcta agcacactcg gattaccgat 420

ctggttcaca gaacttgatg tgtctcgact aacgaaacat ataagaaggg gatgatctaa 480

aggtgatgct atgggaacct t 501

<210> 3012
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-014-Q1-E1-F8

<400> 3012

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accgccgccg cctcctcctc gatcgccgtt gccaccaact ctctcaggaa cgtgactctg 120

tcttccagat cgccccttcc atcagccatc tccgtggctt tcccttcccg tggacgcaat 180

actcttcagc gacgcctcgt tctcgtttcc tgcagtactg gagacggatc taagcctacg 240

attctcgtgg cggagaagct cggtgacgct ggtattaagc ttttggagga tgtcgcgaat 300

gtcgactgtt cgtataacat gactcctgag gagctcaaca ttaagatctc gctctgtgac 360

gccttgatcg tgaggagtgg gactaaggtt ggccgtgagg tgttcgaatc gtctcacgga 420

cggtcaaggt tgttggcccg ct 442

<210> 3013
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G11

<400> 3013

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ccatttagac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncac 120

gtagagcaca aacaagccaa gaaccatctc tgctctttct ttcaccttca gcaaccaaag 180

atgatgaaca gctgtggaat ccaacaaaac gcttttgaag agatgaggag aaacgccgcc 240

gtttctgatc ggagagacgc cgtgatttgt cctaaacctc gtcgtgttgg tgctcttaat 300

caccactctt ctcgatctct ccgttggcaa ctcaagtaag atacttttg taataaagtt 360

caaaactttt ttgaggcaaa tcactttgaa gcaatcagat ttaatggntt ttgaatttgg 420

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<210> 3014
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G2

<400> 3014

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ttgaaaggtg aaactggaga tagcaaaccg gttcgagaag ctgaaagaat gtatggaaaa 120

caaatccata acactgctgc tacctcatca agctctgcca ctcacactga taatttctca 180

aggtgtaggg acacacccgt tgctgcgact aatgcaatga gcatgatcga atcattcaat 240

gcagctcctc gtaacatgat tccttcaggt atgtgtgtct aatatcaaca tcaaaacaaa 300

atataatcaa gatttttgct tcctcaaatc atatgtctaa actcgaaaat tgctttttc 360

cagtccctca agctcggaaa gcatccttgg ctccgttcct tgggagaaag cgcaaagaaa 420

aggttggatt tggtaatttt tttccttaaa agaaaaattt tganggtttt cnattgaatc 480

caaaaag 487

<210> 3015
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G3

<400> 3015

gtnttctgcc gcccggtccg aaaaccgggt cgncccacgc gtccgggnta tgcaaatatg 60

ctcgatatag taagtttgaa actcggggtg tgctgaggac cagtgagttg aacaacactt 120

caaatgtgat ttgttctctg ggttttgatc gggacgagga ttattttgcc acagctggtg 180

tgtcgaaaaa aattaagata tatgagttca attccctttt caacgaatct gttgacattc 240

attatccagc catagaaatg ccaaatagat caaagcttag cggcgtttgc tggaacaact 300

acattaggaa ctacctagct tcctctgatt atgatggtat tgtcaagtta tgggatgtga 360

caacaggaca ggccatttca catttcatag agcatgagaa gagggcttgg tctgttgact 420

tctctgaagc ttgtccgaca aaattagcca gtggaagcga tgattgttct gtgaagctat 480

ggaacatcaa tgagaaga 498

<210> 3016
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G4

<400> 3016

ngccacgcgt ccgcaacaac cananaaaac acagacctta aaaaaataaa aatggttgat 60

atgggattgg gaagaggaag atggtatcat caagatttta ccaaaactca cctaagcttt 120

cttcaaaagc ttcacgtaac tattccatca ccgttcaaaa tcgtccctgt ttcatctccg 180

atctcatgtt cagcacctgc tctttgctct gcttacgagc tttaccttcg tctccctgag 240

ctaagaaagc tctgggtcat ctcgtgattt tcctcaatgg acatcaagag ccgattctca 300

aaccaagctc ttcaagcttt gggagatcag tttcaagatt agttttcgcc gtttgttctg 360

atactagacc gtacatcaac caacggtgaa tggaaccgga ggctaaattc tctcatcacg 420

aagcanattc aaccttgtaa caacgatttg caagatgaag aaagaagaaa g 471

<210> 3017
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G6

<400> 3017

gcggatctct ctcagtgcac agtggttgtc actcttctcc tttggtcgaa actctttctt 60

ggaaagagca ttttgttatc aagactctga agagctcttt tgggaggata gtaaggttgg 120

atgatgagag ggagatctga tggaggccta aagaagcggc ttattgcttc ggtctgtgtc 180

gtggctctat tcgtctgttt cttgtttatg tactatggtt cctctancca aggtgcatca 240

gcattggaat atggaagatc tttgagaaaa ctcggatcgt cttatttgag tggagatgat 300

gataatggtg ataccanaca ggatgantct gtggctaatg cagaaanaat cttgttgtcc 360

caaaagtttc cctgtttgtg atgaccggga anccggnaac atcccttgct tanataagga 420

atttaactac aaattnagg 439

<210> 3018
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G8

<400> 3018

cgtacnggaa caaaattccc gggctttgtt gcgtgtcgtc ntctctctct cataattctt 60

gagtttcacg tctcaagatt tgatcacttc tgccaatttt ccagattgat ctctctaatt 120

atggcttcca tgagtttcgc cttgaatcgc ttctctggac tctcctctaa aaccacctta 180

tcagctgact tcgatccatc ctctcgccgg agttttctac cgccgactag agttggactt 240

aagatctctt ccgccgccga atcggagcct gatctcagtg tcactgtaaa tggcctgaaa 300

atgcccaatc ctttcgtgat cgggtcgggt ccaccgggta ccaactacac cgtcatgaag 360

agagcctttg atgaaggttg gggggccgtc atcgccaaaa ccgtatcttt agatgcatcc 420

aaagttatca acgtgacacc tagatatgct cggctacgaa ccggattcaa tggntc 476

<210> 3019
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-G9

<400> 3019

tactcngccg gccccggtcc aaanaacccg ggtcgangcc acgcgtccgc ccacncgtcc 60

gcccacgcgt ccggtttttg ggttttgggt ataaagcttg ttactttgat ctttatttttg 120

tgaattcgaa gtggaaatgg aatcgttacc atctccattt ggcgatccag ctcctaattt 180

atccaattcg gagctccgag aaactgctta cgagatctta gtcgctgctt gccgtagcac 240

tggaagtcgt ccgctgactt acatccctca atcgccgaaa tctgatcgga gcaacggtct 300

gacgacggcg tcgttatctc cgtctccgtc gcttcataga tctctgactt ctacagctgc 360

gagtaaggtg aanaaggcgt tagggatgaa gaaacgaatc cggagacgga gacngaggaa 420

cgggagaatc gtccaatcaa ccggatncgg acaagaaatc cgtcacggtg gttaattggt 480

nc 482

<210> 3020
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F12

<400> 3020

cgtccggagg cnagtctctg aaccgctttc ttagcaccgg gaacttccat ttcctccaga 60

gattgaagat aacgatcagc tcctaaacca atcaacttcg tcctcgccgc ataacttcca 120

cctgataaaa tcgccgtcac aaccatcacc ggaagctctt tattattcat cctctcattc 180

ctcggatcca acatttgcac caatcgaatc acactcttct catctctcat caactccttc 240

cgatttgatc taacggtcaa caacgacttc gccgcctccg tcgccgcttc ttgtaacccc 300

gccggtttcg gcgattccat taaccgaatc aacgagctta aacaatcagc gacggctcgt 360

ttgttaccgt cgctgatgnt aaattcgata aaagagaagt tgagatntgt tgaaggatta 420

cgtttccgtg tttaa 435

<210> 3021
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-014-Q1-E1-D8

<400> 3021

ttttttttgtt ctttcctctg actggaaaaa gcttcctcag atcgtttcat cgtccaagcg 60

gaagaagcgt ctccttcaat caccgtggac acctccgaga ctgtctccga ttgaatggga 120

attgaagaca tgcattcaaa atctgacagt ggtgggaaca aggttgattc agaggttcat 180

ggtacagtat cgtcgtcgat aaatagttta aacccttggc atcgtgctgc tgctgcttgc 240

aatgcaaatt ctagtgtgga agctggagat aaatcttcta agtcaatagc attagcattg 300

gaatcaaacg gttccaaatc accatccaat agagataata ctgttaacaa ggaatcacaa 360

gtcacaacgt ctccacaatc agctggagat tatagtgata aaaaccaaga tctctgcatc 420

atggatcaca caacctcctc tc 442

<210> 3022
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-014-Q1-E1-D9

<400> 3022

ctatctggtc ggtcngtacc agacanacnt gntcngcccc tttccanaat cnactctcgc 60

ttcccaacgc aatcttcttc acccaatctc taaatctctc ctaaattcca tgtctctcgc 120

ttccattcgc cgtttagctg ccggagctgc cgtaattgcc gctgcatccg gtggcgctgt 180

ctacctgtct ccgtcggttg cctccagcga caaaggaggt ggtccgattc tagattcgtt 240

gaggcgtaag cttggtgatc ccaccgcttc tgtaccgtct cgatctgctc aagagtctgc 300

tctgattgca gccaccgctt ctgattcgct cgatgttctc gtcattggcg gtggaaccaa 360

cggttctgga gttgctccnt gacgctgtta aacgttggcc tccgttgttt ggtttggtgg 420

aancgcnaag gattttctcc tcctgggaan tttcttccgc aatttacaaa agctggaatt 480

caanggaagg gggttc 496

<210> 3023
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E1

<400> 3023

ctgnacgcca cggtccacat aacccgggtn gccccacgcg tccgcaaatt cttctctgaa 60

ctccaaacat cgccatgtcc gagattctct cttcgttgag gtcactaatg gcctctcact 120

ctcctcctct tgatgctttg gttgttcctt ccgaagacta tcaccagagc gagtatgttt 180

ctgcacgaga caaacgccgt gagttcgtgt ctggattcag tggaagtgca ggtttggcac 240

ttatcacgaa gaaggaagca agactttgga cagatggtcg atacttcttg caagcattgc 300

aacagcttag cgatgagtgg acactaatgc ggatgggaaa aaattctcct tgttgaaatt 360

tggntgtcct gataatccaa ctgaaagang gaaatataag gtgttgattc aaggggtgtn 420

ccngtnaaaa atgggaatan atgggggaaa tcntttggca agaagaat 468

<210> 3024
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E10

<400> 3024

aacttccatt gntcggcccg gtccacaata cccgggtcca cccacgcgtc cgcactacat 60

caccggtaaa aatggcgatg tgggtattcg ggtacggatc tttaatatgg aaaacgggtt 120

ttcctttcga cgaaagcctc cctggtttca ttaaaggcta tcgccgtgtc ttccatcaag 180

gtagtactga tcatagagga actccggatt ttccgggaag aacagtgaca ttagaagctg 240

ctcatgaaga agtttgttgt ggagttgctt acaagataac taaagaggaa gataaaagag 300

atgctttatt gcatttggaa gtgagggaga agcaatatga tcagaaagag tatcttgatt 360

tcttcactga ctctaatgct tcggaaccgg ctgtggcagg agtaatggtg tacatagctt 420

cacctgacaa gaagagcaac aacaactact taggaccagc tcctcttgaa gatattgcca 480

aacag 485

<210> 3025
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E11

<400> 3025

cggtccaaga ctatacgggn ccaggcncgc gtccgnaccc naattggcgc gtgttgtctt 60

catcttcttc ctcctctcga cgacnaagag attaaaaaga gacggccttt tctcagtttc 120

tgctccgatt cgtatatctt ctgtttcgtn cgagtgttgt aagangtttg ttttgcctga 180

gactatacgt ttgtcatgga tatagatctt cgactacatt caggtgacct ttgcaaagga 240

gatgatgagg atagaggact tgataatgtg ttacacaatg aagaagatat ggatattggc 300

aaaattgagg atgtttctgt tgaggttaaa tactgatgac agtgtangca ttgggtgtcc 360

aactggggaa gttgggntga attacacctg aggggtaatg aatccttgga accctcctta 420

atnggtaatg gantttgan ttacaacggt ggaaagcgtt attcngtttt aaccaagnag 480

gtaatccccg aa 492

<210> 3026
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E12

<400> 3026

taccgggncc agcacgcgtc cggatacaac catggcgnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntctccttac tcaaatctcc 180

acttcccgtc tctttacgcc ggagatcatc aactctcgtt aaagcctctt ccaccgtcgc 240

ttcagcttcc tcttctccaa ctcctccttt ggttccagct ccggttccat ggcaaggagc 300

tgccattaag cctcttctcg cttcgatcgc tactggtttg attctatggt tcgttccagt 360

ccccgaaggt gtcactcgca acgcgtggca attactcgcg atcttcctcg ccaacatcgt 420

cgggatnatc actcagccgc tctctcggtg 450

<210> 3027
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E3

<400> 3027

gcggacgcgt gggtttcgat ttctgaagtt gagagacgac tatggcgacg aacaatggtg 60

atgtcttgat gttggaggcg acgccggagg ctgcgaggcc ctgggctagt gcggcgaatg 120

cagaagttat cgatgcgctt ccttatatag acgacgacta tggcaatcca ttgattaagt 180

cggaggtaga ccgtttggtg gaggaagaga tgcgtcggag ctctaagaag ccagctgact 240

ttctaaagga cttgcctcct cttccgaagt tcgattttaa gaactgccct gttcttggca 300

aaagaagtat gagccgtgtt tagaactggg aaanccccctg ttccgggtaa gattccaatc 360

cccgatacaa aacttngaaa tngncaactt gccaaattaa gaaggaatga atgaa 415

<210> 3028
<211> 522

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E4

<400> 3028

tactgcgcca cggtccgnaa aacccgggtc gncccacgcg tccgccataa cttaatggat 60

aatctaattc ttgaagataa cgttggtgtt ctgcgtggag ccgctaaacg cgccgctact 120

tctgcttggc atctgcgcca caacagcgtt cgtaagcatg tggatgcata acgtagcagc 180

tgcagtcatg atgatgcctg tcgctacggg gatacttcag agactgccct cgtcatcatc 240

gacgacggaa gtggtgcatc cggccgtggg gaagtttagc agggcggtgg tgttaggtgt 300

gatatactct gcggcggttg gtgggatgag cacactcact gggaacagga gtgaaatcct 360

gaatccttgt tggaaatgtt ggaaaaagct actttccctg aanggctgat tccgattaag 420

ttttnagcca aatgggttcc ttccttttgg cttcccaatt gggcntttgt gcaataattc 480

cttggtggct ttgggtgttg ttcctttggg gttaaagtaa tt 522

<210> 3029
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E6

<400> 3029

cgatccggcg actaaatcct actgagagaa taatccggtc nctcanagag agaaagggtt 60

tcnagttttc tggtgtgtcg ccgatcantt ttcanttacc aactggctta tttgtgcttt 120

gatctgaggc gaangtttga gttctaagga gtgtatcgtt taatcatcaa gctctgtttt 180

ccttctttcc cgaggaagct ctaaggcttt ttcggtggat caagacggac gganggagga 240

ttancacgtn nataagattt aacaggaatt tgcggaattt tgattatatc agtgagtaga 300

agaaatgagc gcagtctcgg gtgtaatctc nangcaagtt ttgcctgttg gtggtaacct 360

ttgaattctt tgcctgcgct tcgtgcaagg tcaagacanc ctgtgaagaa ggtacaagaa 420

cctaattcct gaaatttttc 440

<210> 3030
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-E9

<400> 3030

gggtccaggn cgcgtccgca accgacgtgc aaccaatgtt agtgctaggc tagatgctca 60

gcagaagaag ctcaatctcc caatcctacc aaccacaacc attggatcct tcccacagac 120

tgtagagctc aggagagttc gtcgtgagta caaggccaaa aaggtctcag aggaggacta 180

cgttaaagcc atcaaggaan agatcaagaa agttgttgac ctccaagagg aacttgacat 240

cgatgttctt gtccacggag agccagagag aaacgacatg gttgagtact ttggtgagca 300

nttgtctggt tttgccttca ctgcaaacgg atggggtcca atcttaagga tctcccctgt 360

gtgaagccac cagttatcta tggtgatgtt agccgtccca aaggcaatga ccgtcttctg 420

gtccgcaatg ggntcaaa 438

<210> 3031
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F10

<400> 3031

aanttccact cgcacgggcn ccggtccaca ctnaacgggt ccacccacgc gtccgcaaga 60

cgcgtgggcg gacgcgtggg cggacgcgtg ggtgttaaca ttggaagtgg tcaagaagtg 120

actattagag agttggctga gttggtgaaa gaggttgttg gttttgaagg gaagcttgga 180

tgggattgca ctaagccaga tggcacaccg aggaaactta tggacagctc aaagctcgcg 240

tctttgggtt ggacacctaa ggtttctctt agagatggtc tgagccaaac ttatgattgg 300

tatttgaaga atgtttgcaa ccgataagtt aatggtttct cttctcatat atacacaact 360

attgagtctc angtaaatca gcttatcacc acattgtgat ttaaaccttt ctttgagatt 420

ccaagaattg ctttttttt taacaaaatt gattcattta gagataagac ttgcttcttt 480

aaacaaca 488

<210> 3032
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-F11

<400> 3032

gcccggtcca gaatncccgg gtccacccac gcgtccgcag acgcgtgggt aaatcgccag 60

tattcgccgc aagaaagatg tctccggcga agaagagccg aagttttcct ccgataagcg 120

agtgtaaaag cagagagtat gattcgatcg ctgcggatct cgacgggact ctgcttctgt 180

caagaagctc tttcccttac ttcatgctgg tggccattga agcaggtagt ctcttccgtg 240

gattgatcct tcttctttct cttcccatcg tcatcatcgc ttatctcttc gtctccgaat 300

ctctcggaat ccaaatcctt atcttcatct ccttcgccgg tatcaagatc aagaacatcg 360

aactcgtctc tcgcgccgtt cttacacggt tttacgcggc ggatgtgagg aaagataatt 420

ttgangtgtt tgataaatgt aagaaganga aagtatggtg actgcgaatc 470

<210> 3033
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-D4

<400> 3033

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ctatatcgac gccgtctaat tcctatcatt tctcgttgct ccaaaaccct aactttacta 120

ccgtcggtca ttattttcac tttctcggct cgatttggtg ttggaggttg gtaatcagtt 180

atgggcgctc cggaaaagtc tcaatctaat accaattcga tgcagagagt gaaagtctat 240

catttgaatg aagatggtaa atgggatgat cgaggaactg ggcacgtaag catcgacttt 300

gtggagcgat ctgaagaact cagtctatgt gtaattgatg aagaagataa cgagacgtta 360

cttgttcatc ccatcaaccc tgaggatatt tacaggaaac aagaagacac aataatctca 420

tggagagacc canaacggct caacagaatt ggctttaagc ttcaagagac tgcagggtgg 480

cnctaagtt 489

<210> 3034
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B4

<400> 3034

ccacggtcca tgaaacccgg gtcgccccac gcgtccgcaa ntccataatt tcaattcctc 60

tcgacgtttc acggcgaagc ttcagatcta cttttcccca gctcagtatg gagacggttg 120

attctcggaa caaattgcat tcccggttac gtttatggga attccccgat cagtacatca 180

tcgagccagc tgatggctca ggctcttcat gtttggatat tagtcgtgtt gatgcttcca 240

tgaagctcat cgatcaagtc ccagaaagca attccgtgcg tgtccctaaa atccgttcca 300

tttttggtgt ggttgggatg ttgaagctcc ttgcaggatc atacttggtg gttgtaactg 360

agagtgaacg tgttggatcg tttctggggc atcctatatt caaagttaca acgcttaang 420

gtcctccctg tgatnaatca cttaaaaact cgcctgaaga acagaaaaag atggngaacg 480

agtttccc 488

<210> 3035
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B5

<400> 3035

ttnattaggc tcgccgtacc gganagaaaa ttcccgggct ttctctctct caatcacaag 60

tttcagttac acagctgaac ccaaagtatc tcacattctg atctaatcag aacactgttt 120

tgtctgtgta acataaacaa acgatcctgt ttttatggaa aatttaatga aacagtgacg 180

attcttctac acttctttat aatgacaaac atttcatagt accaaaatac acaaatacct 240

tttctttatt cttctcaccc ttctctgttt ctttatcatt catggctcca aattcagtan 300

cagtgacaat ggagaagcca gacaacttct ctttactaga gatcaacggn tcaagattca 360

tcctcattcc ccgacaaacg taaatccatc aagtccaaaa caattctcat ggntccttcn 420

tctcaaaagc tcatanactc atcccgtgtc tctcgtggct antcccntcg gttaaaaagc 480

gaatcncgtt ctccgcgaaa gaacattaac 510

<210> 3036
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B6

<400> 3036

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aaacccaaat gtctcgtctc ccgattttaa tcgcttcgtg tctcttcctc tcttcactca 120

ccgccgccgt cgtcaccgcc gccgaatccg atactccgac ggcttattca ctcctccaaa 180

gctacaactt ccccgtcgga atccttccaa aaggagtcgt agcttatgat ttagacacaa 240

taacaggcaa attccatgcg tatttcaacg attcatgtag cttcaatctt gttggttctt 300

accaattgaa ttacaaatca acaatcagtg gttacatctc cgagaacaag ctcaagaaat 360

tgactggtgt taaagtcaaa gtttgttctt gtggcttaac atcgtcgagg tattaagaac 420

gggtgacn 428

<210> 3037
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C1

<400> 3037

gggtccgaac anaacgggtc gagncacgcg tccgaacttc aacacagtga cggtttatga 60

aaagggagct gaggtcgtca ggatgtacaa aactctacta ggaactcagg ggttccgaaa 120

gggaattgat ctctattttg aaagacatga tgagcaagca gtgacttgtg aagacttctt 180

tgctgctatg cgtgatgcaa ataatgcaga ctttgctaat ttcttgcaat ggtactctca 240

agctggaacg cccgttgtca aagtggtatc ctcttacaat gctgacgctc gtactttctc 300

tttaaaattc agtcaggaga tanctccaaa ctccaaggcc aagccaacaa aaagaaccta 360

catttaatcc aatgggttgg tggncctttg gacccaaatn ggaaaaacaa tantccttnc 420

tccggtcaac aagaanggac aatncaaacc aattnaagga acaacacaat actccagttg 480

ccaagaaaga aa 492

<210> 3038
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C11

<400> 3038

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tctctccatg agaactctaa tctctcaccg gcaatgtgtg acgtcaccgt ttcttatctc 120

cgccgcatct ccaccgtttc ctggccggtg ctttaagtta tcctccttta ctcctccacg 180

tcataggcgt ttttcttctc tctcgatcag aaacatttcg catgaatccg ccgatcagac 240

ttcttcttct aggccgcgaa ctctttatcc tggtggttac aagcgtcccg aactcgccgt 300

tcccggttta cttctccggc tagacgccga cgaggttatg agcgggaatc gtgaagagac 360

tcttgatttg gtcgaccgtg ctttagctaa atcggttcaa atcgtcgtga ttgatggcgg 420

agccaacgct ggtaagctct aagaagcggc ttgtttgctg aaatcacttg tcaaanggc 479

<210> 3039
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C12

<400> 3039

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ggggtttact gcaattgcac ggtggtaatg gctgcggttc cgcctnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacgtctca aatatcagag gatgggtggc 240

aacgttcctg cgttgctatc taacgatgct gcttcctgca tcgctgttgc tgcgangatg 300

atcgcgcttg gtacgcacga cggtaccgtg cgtatcctcg atttattggg gaatcangtt 360

aaagaatttc gtgcccacac tgctccggtt aatgacatca actttgacac tgaaggagag 420

tatatccgaa act 433

<210> 3040
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C2

<400> 3040

ctgcnccacg gtccacaaac ccgggtcgnc ccacgcgtcc ggtnttactc tctcttctga 60

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accaacttgc cctcgcggct ctattcggag cttccttcgt tgctgtttct gggtttttca 180

tgcatttcaa ggcactgaat ctagtccttg agcgtggtaa ggagcgtaaa gagaaccctg 240

atggagacga gcctcaaaat ccgaccttgg tgaggcggcg gagccaagtt agaaggaagg 300

ttaatgacca atatggtcgc agtcctgctt ctcttccaga tgccactcct tttaccgatg 360

gtggcggcgg cggcggcggt gatacangac gggacaacgg tcacgtttat gttgatgaaa 420

ttcctcctgg tctccctaag gcttcaataa cgccatcctg aaagggaaaa gcttccggta 480

caatggaagc taagtaanta tcaa 504

<210> 3041
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C5

<400> 3041

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tgaaaacaca aaccaaagtg atgggaggac atgtcttgct tactgttttc actctttgta 120

tgctttgttc aggggttagg gcacagctaa gccctgacat ttatgctaaa tcgtgcccca 180

atctagttca aattgtccgt aaacaagttg ccatcgccct gaaggccgag atacggatgg 240

ctgcttctct cattcgtctt catttccacg actgctttgt taatgggtgt gatgcgtcgt 300

tattgttgga tgggagctga cagcganaaa ctccgcgatt ccaaacaata aactcctngc 360

aaaaggattt gaattatttg atacatccaa anccgctgtg gaaaacnaan ttcctgtggt 420

ggttcctngt gctggaaanc tnnactttgg cggcccttaa cccnttt 467

<210> 3042
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C6

<400> 3042

tttattaccg acaagattct gccacacaat tattacatat ttttgttccc atgaagcaat 60

tgttcctttc aagcatgttt acgagcaaaa gagtgaaagg gtagcttgat ttttgtctac 120

tctagcttca ttttctggcg atctttactt gagatttaaa cattttgctc tcggattgat 180

aataaagaag aatttggaat atcagtaggt ttggttagga ctctcggatt ctgttgtcgg 240

ttagatattt gttttgttta atccctagat ttagcagaga aatccctcaa atctcacaca 300

atccatgtaa ggaagaagat gacctccagt atcaaatcaa gtctgctaaa tctagggctc 360

cttattatat ttttcgtctt cttcttcctg gtgattaact gtcnagggga atcttctacg 420

tgtttggcgg tttacaaaca aggc 444

<210> 3043
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-C8

<400> 3043

ggcngagtag gaggagacgg tggaggaact ggaaggtggc cgagacaaga aaccctaact 60

ctgttggaaa ttagatctcg tcttgatcat aaattcaaag aagctaatca aaaaggacct 120

ctttgggatg aagtttctag gattatgtcc gaggaacatg gataccaaag gagtgggaag 180

aaatgcagag agaagtttga gaatctgtac aaatactata ggaagactaa agaaggcaaa 240

gccggaagac aagacggaaa acattacaga tttttccggc agctcgaagc gctatacggg 300

gattctaata acttggtttc ttgtcccaat cataacacgc agttcatgag cagtgctctt 360

catggtttcc atactcaaaa ccctatgaac gttactacaa caacgtccaa catccataac 420

gttgatagtg ttcatggttt catcaaagcc 450

<210> 3044
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-D1

<400> 3044

gnggccggtc cgagaaaccg ggtngngcac gcgtccggan aaattgcaga cgtggcatat 60

agacgaaata caagattcag agataataaa tacgtcacca aaagttatca cccacaacga 120

atcttcttct tccatcgcca ttgccatggc taagctctcn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn catgtgcaga gatctcataa gccttccctc ttctcctccc acaacaactg 300

gcacgtctct ctccttcgct ctctcccttc ctccccccaa ccaagcaacg gtggtccaat 360

cctaatnaac gcgccgttca atgggttntc cgntcgtctc tnccctaanc aaaccgncgn 420

cctccgncgt nancettcan tnanctccgt tatacctgat naagc 465

<210> 3045
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-D10

<400> 3045

ttccattagc ncggcccggt ccacactacc gggtccancc acgcgtccgg nggaacacgc 60

tgttgttcat ggatccaccg ctgtagctgc cgccattgat ctctacactt acgttactct 120

ccgctttcct cttccatcag ctgagaacaa tgataggctt acacttcagc tcaaggacat 180

ttccttggag ttttcatggt ccttagccag aatcaaagaa gcgattcctt atgattcaag 240

cactctctgc cgttctacgc cggcttcatg ttcagaggag acccttaaat caattgcagt 300

tttggttgaa gagcaaaatc ttccaaagga aaagatgtgg ctctcctctg ggatctccac 360

gtttctctgg ttatacacca gaattatagg gttcaatccg gctacaagta gtcattaact 420

ctgagcttcc atacgggtct ggcctcggtt catcagcagc ttaagtgtac tctcacaagc 480

t 481

<210> 3046
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-D11

<400> 3046

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ggaatacaag aacattagtt tcaccgtgtg ggatgtcggg ggtcaggaca agattcgtcc 120

cttgtggaga cactacttcc agancactca aggtctaatc tttgttgttg atagcaatga 180

cagagacaga gttgttgagg ctcgagatga actccacagg atgctgaatg aggacnagct 240

gcgtgatgct gtgttgcttg tgtttgccaa caagcaagat nttccaaatg ctatgaacgc 300

ctgctgaaat cacaagataa gcctgggctt cantccctcc gtnaagcgtc attgggtata 360

tccaaaagca catgtngcac ttnaaggtga aagggccttn atgaaaggcc tngactggnt 420

ctncaanaac atccctggca aagcnttatg aaggaaaaaa ttgcctttcc tccaaatgaa 480

tcctgtcngc cgtg 494

<210> 3047
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-014-Q1-E1-B3

<400> 3047

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tcctcaaacc ctggagagag agagagagag tgacggggga agaagatgac ttctgctttg 120

tatgcttccg atttgtttaa gcagctcaag tcaattatgg ggacagattc gttatccgac 180

gatgttgtac ttgtgattgc aacgacgtct ttggcactag tagctggatt tgtggtgttg 240

ttatggaaga aaacgacggc ggatcggagc ggggagctga agcctttgat gatccctaag 300

tctcttatgg ctaaggacga ggatgatgat ttggatttgg gatccgggaa gactagagtc 360

tctatcttct tcggtacgca nactggaaca gctgagggat ttgctaaggn attatccgaa 420

gaaatcaaag cgagatatga aaaancagca gtcaaagtca ttgacttgga tgactaagct 480

gccgatgatg accant 496

<210> 3048
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-B5

<400> 3048

aaacgatagg ttagacaaga ggacatggac ttatatattt ggggcttgct gtgccacgac 60

cgttttcata ccatctttcc acaattaccg tatttggtct ttcctcggcc ttggcatgac 120

cacctacacc gcttggtacc tcaccatcgc ctcttttctc catggtcagg cggagggtgt 180

gacacattcc ggtccaacca agcttgtgtt gtactttacc ggagccacca acatcctcta 240

taccttcggt ggacacgctg tgaccgtgga aataatgcat gcgatgtgga aaccaaggaa 300

gtttaagagc atcctaactt gatggcaact cctgtacgtt cttcaacaat taaacgcctt 360

ccgtnaagct ccggccgttc taactggggc tttccgggng aaccaacttn ctcaaaccaa 420

ctccaaaacg ccttttctcc tcctcctccc ctaaaaac 458

<210> 3049
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-B7

<400> 3049

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acttacataa tggggtgcat gttctcncac ctcgccgcca aattcgcctt cttcccaccc 120

tctcctccca cttaccacct caccaaaacc cccgacggca aactnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnggagacc catctctcga cgtcaaagta 240

gtaaagacaa gacgcggcaa caaagtcaca gctttttacc ttagaaaccc taacgcaaga 300

ctcaacactt ctctactcct catgggaaaa tgctggcaga atttgggaac aactccttcg 360

attccctttg gttcaaactc aaaaggtcaa atcctccgga ngtcaatcct caatnggggg 420

taatgaatta aattcaaggg ctaatggaag ccttctaa 458

<210> 3050
<211> 550
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-C1

<400> 3050

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gctttccgct tcaaccacct cttattcctt accgttaaag aagcttagag tctttggtag 120

ctatcaagct tcatatcatc atcttcttct tctcaggtca agagccattc tatggtttaa 180

aggatgctcc tggctaatct cagcacttag tttctctccc tctgctctaa aagctacccc 240

attttatgga atttggaggt ggctttttaa gcagatccca atgggatctc ctgtttcaga 300

tggtgatcat gtcgtaattt gtcatctcct caaccttcct tgcaaattgc atccttcccc 360

gaagaagaaa tggggnttcc tcntttggaa gaagaataat tggccnaaat ggggagcaat 420

caatcaatca atcaaaatcc aaatccaagg ttgcccaaat cctcaaaacc cggaatgcaa 480

tgttttcaaa ccnttaaatt tannttaaa ggtttggntt ttaaccccta aagggatggg 540

gctaaatcca 550

<210> 3051
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-013-Q1-E1-C10

<400> 3051

ggagagtttt aaagtctatt gtgctattaa tgatggaatc atcaatctca ttgacaagtt 60

ctttgaaatg gcaaaacatg aagccatcac ttcccttgaa atatacaagc gtgcgggtca 120

gcaggctcgt agcctttctg atttctatga agcctgcaaa ggattggaac ttgcaaggaa 180

ttttcaattt cctgttctaa gagagcctcc acaatctttt ctgacaacaa tggaggagta 240

tattaaagaa gcaccgcgtg ttgtcgatgt cccagcggaa ccactgcttc taacatatag 300

gccggatgat ggactgacta ccgaagatac tgaaccgtcg catgaagaac gtgaaatgtt 360

accttcagat gatgtcgttg ttgtatctga agaacagaac cttctccccc gcctctcctt 420

cagccaacgc tcagaacttc 440

<210> 3052
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-C5

<400> 3052

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taaactttac cctctcttaa atcactcatc cgtttttcac ccagacagtc gttnccaatc 120

ggcccctaca atggaggaag agcaacaaca acttcgtgtt ctcttcgcga aatacgagat 180

gggaaggtta ctaggcaaag gaacattcgg aaaagtttat tacggcaaag agataacaac 240

cggagaaagc gttgcaatca aaatcatcaa caaagatcaa gtcaaacgtg aaggtatgat 300

ggaacaaatc aaacgaagag atttcaatca tgagacttgt ccgtcatcca aacatccgtt 360

gagtttaaag aagtcctggg tacaaaaaca aagattctcc ttaacaaggg aatacgttaa 420

ang 423

<210> 3053
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB22-013-Q1-E1-C7

<400> 3053

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tcttactctc tgcatctgtg acaacgcgag taactttggc ggcaacaaaa ggaacctctt 120

cccagatttc tacaggagct cgtgccctag agcggaggag atcgtgaggt ccgttgtagc 180

caaggcattt gaaagggaga ctcgtatggc tgcttctctc atgaggctcc atttccacga 240

ttgtttcgtt cagggttgtg atggatcgtt gcttctagac accagtggga gtatagttac 300

tgagaagaac tctaacccta acagcaagat tggctcnccg gttttgaaag ttgtttgacg 360

aagatnaang gcaacattaa gaagaatgaa atgccctaaa caactgtcct ccntggtgcc 420

tgaacgcccn ttaaactcct aagctggcta anaagaactc cctcccggtt cccttaaaan 480

ggtgggg 487

<210> 3054
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-C8

<400> 3054

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ccggagaaat tcaaatcgtc atctctaatt cgtcggagaa tccaccgtta ggtatataaa 120

cacggtttgt ttctgaaatt agggtacgaa aaaatgccct tgtttatgcc tgacgaagag 180

ctggcgcggc tatctagcga cgccgcgtcg gtggttgcgg agagagccga cgagtacata 240

cgaaagatat acgccgagct ggatagtgtt cgagccaagg ctgacgctgc ttccatcacg 300

gcgggagcag acgtgttcgc ttctcgagca gaagtacctc tcgctgtctc aaggatttct 360

ccttcccttg aatctcaana acgcnaaagc ttcantctga ttccgatgat tcgtttaanc 420

tgaccttgga 430

<210> 3055
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D1

<400> 3055

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tgagtttgag ggtctgctgg agaagactcc cgctgaagtg aatgcatatc tttctagccc 120

agttgagtac actaactcaa tgatgagtgc tggtgatgct caggcgaggg acacattgga 180

gaggattgtt gagtgccttg aaaaggagaa gtgtgagacc ttccaagact gcttaacctg 240

ggcacgactg aggtttgagg attactttgt gaaccgtgtc aagcaattga tatacacatt 300

tcctgaagat gctgcgacta gtaccgggag ctccaatcct gggtctgccc aaaaagaatc 360

cctccgtcca atccaantat cctccgccga accaaatccc ccttaaacnt taacacaagc 420

gaacngcaat ttaccaacaa anacattttg ggattccgaa nacctgantt gactaagaaa 480

ccaaagggaa caacaaaaac tggtt 505

<210> 3056
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D12

<400> 3056

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aagggaaaga tcttcgaaca ggcgggatca ttctcgcgtt gaccaagatc gtgaattgga 120

tattgaaaga cagtgaattc agtatatagt atatacacac atacgccggt taaaaaaaaa 180

aaagtataaa cacacatgca tccataatta atccttaatt catgaaccat aatacttctt 240

cttccttta acttttatt cttgtactga aatcttttgt atgtgtaaat atgaatggca 300

cacttttgt atgttacagt aattacaaaa acattgttgc ttaaaaaaaa ncataaaaaa 360

gggc 364

<210> 3057
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D2

<400> 3057

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gcntccgccc acgggtccgc ccacgcgtcc gcgcgtttct tctcctaggg ttagggttcg 120

acgaacgcag ctgttccacg cgtttagttt caattctcca tcgaagaagc cataatccga 180

ttcctaaaga gcttacattt gttactcaac tttaaagttt tgacgctaga gattactatc 240

ctcttgctgg gaactcaacg tgaccagact gtgtttgaaa gatagcaatg gctggagtat 300

tagctgggga ttgttcattc ggtgagagtg gtgtttcatc ttactccagg aattccaatg 360

aaaagcagga cganggttgc ccgctggtaa ttttggaaga aaaagaaant tgaagaaaan 420

tcacctcnaa ggttggataa taattgacct taaagaaagg aacataactc cgcaagtcca 480

aactggncaa ttttgcaagg attaagcatn agaatta 517

<210> 3058
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D4

<400> 3058

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cacaacactc tctctctcct gccataactc agcctgagat gtctccggaa gcttacgttc 120

tgttctttaa cagttttaac ctcgtaaccn tcgangcctt tgcttcagtc tcacttatca 180

tagccacagt tgctttcttg ctctcaccag gtgggctcgc atgggcctgg accgggtcat 240

ccaagagtcg ggtttcgatt ccaggaccat ctggttctct ttccgtcttc tccggctcca 300

atccccaccg tgttctcgcc gctcttgcta aaagcntcaa ggctctccgt tgatgggttc 360

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tttgtncggc cgttaagatc nctacaactt tgttcacgtg cat 463

<210> 3059
<211> 474

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D5

<400> 3059

gacagtgatt tgtcacaatt gagcgagaag attagtttac tacttttcga gaacgatgac 60

caattggatc aagatgctca tgaatgaaat ctcccaagaa aatgatgaan ggcaaccttt 120

tgcaggaatt ctgaaagaaa gcttacactc atgggctttt acaaaagata gcagaaaggt 180

ggaaaaggcc aagttgtttt ggttgaaggt ggccaaggng tattacattt tgcnaccttc 240

ccttgggtaa aactgggcct tananccaac aataancccg ggggtaacct tnattttccc 300

aaattaaaag gttgggccca cattccattg ggggaaactt tccntnggga aggnaaaagg 360

gaaatttggt ccaaacccaa acncnttggg ggcnggcccc cgggaacttt tancggnccc 420

naaccccaaa ntttccnacc ncgggancCC aacctttccg gttttaaccc aaag 474

<210> 3060
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-D6

<400> 3060

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gggctgtggg gctgaggaaa aaagatctga tgggcggggc agatccattc gtgaaaatca 180

agctctctga agataagatt ccttctaaga agacaacagt taaacacaag aatttgaatc 240

ctgaatggaa tgaggagttc aaattctcgg tcagagatcc ccagactcag gttctagagt 300

tcagtgtgta tgactgggaa caggttggga atcccganaa gatgggtatg aatgtatnac 360

tctgaaagaa tggtgcctga cgaacataaa gcatcacctt ggaactgcnt aanactctgg 420

acggcggtaa aatgggcacc ccctgan 447

<210> 3061
<211> 474

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-B4

<400> 3061

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nttccctatc aaagtgaatg actttcttct ccaaaatcga tttctgaaac atcccatttc 120

ttgatttccc tctttgtcgc aaacccaaca aagtagagca aaaccctaaa acggaaacct 180

tccatggcga ttatctctga ggtagaagaa gaaagcagta gcagccgacc catgatattt 240

ccctttaggg caacactcag ttctgcaaac ccattagggt ttttggagaa agttttcgac 300

tttctcggag aacagagcga ttttctcaag aaaccctccg cggaggacga gatcgtcgtc 360

gcggttaggg cggcgaagga gaagttgaaa aaggctgaga agaagaaagc tganaaggaa 420

attttgaacc ccgtgganaa naanncnaag aaggaaattg ttaacctgtt gnaa 474

<210> 3062
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-H10

<400> 3062

ggcgntcggt agcgcgcaaa aatcccgggg ccncccaagc ntncgnaana aacctncttt 60

cnanacaana caaaactata tataaagatc atacatgtaa taacgtcctg caactattac 120

aatcattctc gctttgaatt aacgtggacg tcattgtttt tggattgtta atcaaaggcg 180

gcgttacttt tttttaatat aattgtttct ttaggatctt tgtctctgga aaatgaagga 240

agacgcagga aacccttttgc atctcacgtc actgaaccat gtctctgtct tgtgccgatc 300

cgtcgacgaa tctatgaatt tttaccaaaa ggtgttaggg ttcatcccga tacgaagacc 360

tgaatcctta aattttgaag gcgcttggtt gtttggtcac gggattggga atacacctcc 420

ctgtgtgccc cagaaccaga gaaacttcca aagaaaactg cgantaatcc caanggttaa 480

cacatctctt c 491

<210> 3063
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB22-012-Q1-E1-H12

<400> 3063

gcaaagactt aagtaagtca aacagaaaaa aatggatctc ttattgatta tagccggttt 60

agtagcggct gcagccttct ttttcctccg tagcacgacc aagaaatctc tccggttacc 120

tccgggacca aaaggtcttc ctattatagg aaaccttcac cagatggaga aattcaaccc 180

ccaacacttc cttttccgtc tctccaagct atacggcccg attttcacga tgaaaatcgg 240

tggccgtcgc ctcgcggtga tctcctcggc cgagctagcc aaggagctac tcaaaactca 300

agacctcaac ttcaccgctc gtcctctctt gaaagggcaa caaaccatgt cgtatcaagg 360

gcgtgagctt ggtttcggac agtacaccgc gtactaaccg ttagatgagg aagatgtgta 420

tggggaaact cctcagcccg aaccgtgt 448

<210> 3064
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-H3

<400> 3064

ggnctttttc actcccacac gttctgctcc agcgatactg tgagagaatc tctgtgtggt 60

tctgaattct taggctggaa ttgaattctg aaatggcgga ggagtacaag gaagcgttgt 120

tggagaagca gaactatcac gacggatgtc ccggctgtaa ngtggagcag atgaagcagc 180

tccggcgagg atatccttac ctcgagcttt ccttcgtttg ggattatccg tcctctccaa 240

cttctctaac aatttcctca actcctatcc cttcctccta actaatatga attganggat 300

tttggtgtcc caaananggn gaaaganant gggttttaag ctggttttgt tggttgcncc 360

tttatgcntg ggaaaacact gaattcngtg ttccggggaa ntgtggctga ttgttaaggn 420

agaaaaccca ttatactcct gggaactatc tcaattgc 458

<210> 3065

<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-H4

<400> 3065

nnttgtttaa gtaggtanga ttcaaggcca tgacaacaga atatcaacct agctagtttg 60

atatattctg atgaaattag tttgcctagc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct aatttaantt 240

tggtgaagtg angccttaat ggtttgaagc cttgacaaga tngagagtan caaaaagaaa 300

ccatggatgc ctttgacgta atatnatgat tagaaagggt cactcnatat gttaaaanac 360

caaagacctg gaaaccggtt taaaattggn ttttggnntt ggttccggca aantcnagcn 420

cttgaatgtn aatncctacc tttttanggt cccctta 457

<210> 3066
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-H8

<400> 3066

gnaagagtct tgcttcagtt gaatcaaaga ttggtccttt ttttttcgtt ttctctttcc 60

tgctttttt tgtttgtagt ttctgatctc tcaggaaggc tttttataaa tttgccctca 120

atttctccgt ccctactact ctttttgatc aatttctacg ggaaaaagca ccaatcttta 180

aacccgggca tgtccttgta atcgagtatg ttgtgtaagt gatgaatttg tggtgagatc 240

tggtgagaag tttcctcttt tttctcanat tgcggtaaaa aaaaagagtt tttaataagg 300

aagagattga gattagattt tatcgctttt gtttgtgtga tatgggtaac gtgaacgcga 360

gagaagaagc gaatagtaac aacgcttctg ctgttgaaga cgaagacgct gagattgttc 420

tcgtgaagct atgtctgctg cn 442

<210> 3067

<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-A11

<400> 3067

gccaaaccct aataatctag tggcaagtac aaccttctac tctgaaagta caggagccat 60

tctctgtttg gcaagaatag aaacagaccc agcggacaga acccaattgc gaatgacagt 120

aggcacggga gatcctaccc ttacatttga gttgaaagaa tttatcaagg aacaactaat 180

tactgtccca atgggatctc gagctttagt tccagcagca ggtccagcac cacctgtagc 240

tcaaccgcca agcccagcgg ctttagctga tgatccagga gctatgctcg ctggcttact 300

ttaaattcat tgggccttcg tgttgagaga gtctaatcta agtcataacg gggggaaatt 360

gcaaaaacac atcccaaacg catagcattt cacttgtaaa aacctgaact aatttgangt 420

gatatattct agaga 435

<210> 3068
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-A4

<400> 3068

ctgtctngct tgcccgtgcc gtccanaatc aagggnccnc ccacgcgtcc ggnaataaaa 60

gaaaagtgag tttgntgntt gtatcgatna naaaatggng acgtcgatga tacagaggat 120

gttcaagcaa gggacgaaga tcgtctgcgt cggccgtaac tacgccgctc angccaaaga 180

actaggcaac gccgtcccca aggaaccagt tatattcttg aagccaacat catcatactt 240

agaaaatgga ggaacaattg agatnccaca tcctttggat tcacttcacc atgaagtaga 300

actcgcttta gtgattggac agaaagctag agatgtacct gaatcaatag ccatggatta 360

cattggagga tatgccgttg ctcctgatat gactgctaag gaactccaag cttctgctaa 420

agnatctggg tctcccaagg gccggttgcg aaangncaag ataccntcaa tccctaacan 480

ctcctgttct gccaaaaggn gatggtgcct tattccca 518

<210> 3069
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-A5

<400> 3069

ggaattaaga gagcaaaatg agcataaata ggaatctgtt gaatatcata ataatccttt 60

gtatatgtct caatttgggt tgtaacgatg gagctcaaga aagagagact gattctcata 120

ctatccaagt cagctctctc ctcccttcat catcatcatc ttgtgttctt tctcccagag 180

cgtctactac aaagtcttca ctgcacgtga cgcatagaca cggcacgtgt tcgcgtctaa 240

acaatggcaa ggccacgagt ccagaccatg tcgagatcct aagactcgac caggctcgcg 300

taaactcaat ccactcaaaa ctatcgaaga aactcgcaac aagattaacg tcagttgaaa 360

agcaagntca acgggattct aaccgggcta aaagacngga agcacactcc gggttcaagg 420

taactacatc cgttgacggt ccnggcctcc ggggacaaca aaggaacgat tntaa 475

<210> 3070
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-A6

<400> 3070

ggctttcttc accattcagg atcagagatt cgtgacctga gaagacactc aatatgagta 60

agcttcagag tgaggctgtt agagaagcca taacgactat caagggaaaa tctgaggaga 120

agaagcgtaa ctttgttgag acagtggagc ttcagattgg tctgaagaac tatgacccac 180

aaaaggataa gcgtttcagt ggatctgtga agctcccaca tattcctcgc ccaaaaatga 240

agatctgtat gcttggagat gctcagcatg ttgaggaggc agagaaaatg ggacttagta 300

acatggatgt tgaggctttg aaaaagctta acaagaacaa gaagccttgt taagaaanct 360

tgctaaagtc ctaacaagcc ttccttggnn ttctgagtcc gtcaattaan caaantcctc 420

ctccttcctt ggncccggtc cttaacaaag gnaaggaaa 459

<210> 3071
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-A7

<400> 3071

gatgaacatc ccatcgaaga agatcgtacc ggtaccgaca ccgagtgaga aagttgtctc 60

tttggtatct cgaaccggac gagatctcca acgttacaac accgcagggt atcgtcaagt 120

cgtcggatgt gtaccatata gatacaagaa acacggagga ggagaaattg aagtgctttt 180

gataagtgca cagaagaaag ggaaaggaat gttattacca aaaggaggtt gggagattga 240

tgaatcaata gaagaagctg ctttaagaga gacaattgaa gaagctggtg ttacgggtca 300

gcttgaagaa tcacttggga aatggcaata canaagcaaa agacatacta tgaatccatg 360

atggtcaata atgtttccct tgccttggta atcagcaatt tgagataagg gcctgaatcc 420

tgaantcaag acaacgcaaa 440

<210> 3072
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-A8

<400> 3072

gctttctctc tatctctctc tatctctctc atttcttcct gcgtcaatgg cgactcaagg 60

tcaggttatc acttgcaaag ctgcggtggc ttacgagccg aacaagcctc tggtcatcga 120

agatgtgcaa gtggctccac ctcaagctgg tgaggttcgg atcaagatcc tctacactgc 180

tctttgtcac accgacgctt acacttggag cggcaaggat cctgaaggtc tctttccttg 240

tattctaggt catgaggctg ctgggattgt tgagagtgtt ggtgaaggag taactgaagt 300

tcaagctgga gatcatgtta tcccttgtta tcaagctgan tgtcgtgaat gcaaagtttt 360

gcaaatctgg gaagactaac ctttgtggca aagntganat ntgcnactgg tgttgggaat 420

aangatgaat tgaccgtaan tcaaggttcc cgt 453

<210> 3073
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-B1

<400> 3073

gtgccgtcca gaanttcaag ggtccaccca cgcgtccgca gaaaacccta aacacagata 60

aaccccaaaa ctcaaaaacc aaatctttcc aacaatggcg tctcatctct ttacccgatc 120

tcgaatctct ctcctcaaaa ccctaaaacc caatcctttt acctcagctt cacccatcag 180

agccatttcc ggtacaccat tcctctctca agatcctctg ctcgcaaccg aatcaacaga 240

tcacgaccca tcaaaccatc aatcaacctc cacgccgctt ccaccgaatc cagcaacagg 300

aagtcctctt taccaagaga attggcgtag tccgattcca aacactcctt ccttcaaaca 360

aatctctagt ttcaattaag ggatttcnaa tcaaggctcc tggtcctcgt atcaagagct 420

ctctcctgga gaagccnttg anatngaaac tcgcctngct ngaataatgt ttgccggant 480

gggantgntt tcgcaancgg ttgggnccgg aaatgaa 517

<210> 3074
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-013-Q1-E1-B2

<400> 3074

cggntcagtg acttctgcaa accgtctaga cccatttttt gtttatctct ggacacagag 60

atcgcaaatt ctttttttctt aaatggaagg ttccatgaac aagcgaggat acgaatgcag 120

tcaagaggat actgacaagc tgccagaatc aaagagacaa aaagtgcctg ctttagcaag 180

tgttattgtg gaagctgtca aagtagatag tctgcagagg ctttgctcgt ctttggagcc 240

gttgtttcgc agaattgtta gcgaagaagt ggaacgagcc ttatcaaggt tgggaaacgc 300

aaagttaacc tcgangtcac caagaaccaa aagaggattc aagaccgcaa tggaagaaac 360

ctgcaacttc actttaggac ccaaatgctc ctcacttatc acaaggcggg aaanttnaag 420

gaaaaccaag ntccggaaat caagttggtc ctaaa 455

<210> 3075
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G9

<400> 3075

aaaaatatct tcgttgaagt gagggtgacg agaagtttct gctttcatca attaaaggtt 60

tacgcgtgaa gcagatcatc agcaatggcg gcgtcgcaag ataagttgga taagatgaaa 120

cttaggcaag attaccggaa tttatggcac tccgatctca tgggcaccgt caccgccgac 180

actccctatt gctgcatctc gtgtctgtgt ggaccttgtg tgtcatacat gcttcggaga 240

agagcacttt acaatgacat gtcaaggtat acttgctgtg ctggatatat gccctgtagt 300

ggaaggtgtg gagaaagcaa atgtcctcaa cttttgcctt gccactgaag tcctcccttt 360

gcttccggna aactcctgtt ggnctccnac ccgcttcctt ctgcaaggat tgaaattcaa 420

caatccaaga ccaacaacaa atggcnaaca aatttgca 458

<210> 3076
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F10

<400> 3076

atcccggggc cacccaagcc ttcngaaaag aatanaagac attcttcaga aatggagcga 60

tgttgacgaa atggatctca ttcttacact tggtggtact gggcttcact ccaagagatg 120

taacacctga agcaacgaaa aaggtgatcg agagagaaac acccggtctc ctctttgtta 180

tgatgcaaga gagcttaaag atcactccat ttgcgatgct ctcgcgctct gcggcaggaa 240

ttagaggctc aacattgata atcaacatgc ctggaaaccc aaacgcagtg gccgagtgta 300

tggaggctct gttacctgca ttgaaacacg cactgaagca gatcaaagga gacaagagag 360

agaaacatcc gaagcacata cctcacgcag aagccaccta ccgactgata catgggaaca 420

aaagctataa ntcaanccta tgagacgggg aganaaagaa ggaaaaggct gggtt 475

<210> 3077
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F11

<400> 3077

cttgccgntc cctaccggtc canaaaatcc cgggtcnacc cacgcgtccg gnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnactaa tcagcaccgt 120

ccatttttgt catctaattc tttcttactt ggccgcaact tccaaccaca tcacacactc 180

tttctattcc cttatatatt cccatctcaa aagttcttgn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc gccaatcgca actttcttgt ctttcaatgg 300

gagagaaagg tttgaagcgg tctggtgttg cggtggtggt tgcattacta gccatggttc 360

atgtctctgt ttcagttccg ttcataatgc ttcatgggat ccaagctcaa tgttccaaat 420

gctaagggat gctaacttca acacaagctt ctcactaaac tcctctggnt ctcctggctt 480

tgcttaaaaa attgga 496

<210> 3078
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F12

<400> 3078

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gccttcgaca ttgcacagct caatcctcac aaaaccttgt tctttgacga cagtacccgg 120

aacatccaaa ccgggaaagc cgttggtctc catacagtct tggttggtaa atcagagaaa 180

atagatggaa gcgattacgc gttagaaagc attcacaaca tgaaagaggc attccccgag 240

ttatggtcgg aatccattat caacaacaaa gaaactgaaa gaattgatta cgcttcacag 300

atctcgattg aaacttctgt tcaagcttaa ctttatttag tactaaatat gatgatattt 360

acatatcatt gaatgtttca ataaaatatc tatgtacctt tttttgtcgt ctatccatgt 420

accgtttatg ggttgattcc gtatttataa gtctataaat tgtattttaa tcaaccctcc 480

tttggtcata tcaataaat 499

<210> 3079
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F5

<400> 3079

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cttcaggatc cacgacatga acatctcctc tcgcggtgct gctgcgatcg angagtccct 120

cgtgtttgga tcttctggtg tcgtctacgc tccctatgga gattacttga agttcgtgaa 180

gaagatcatt gccactaagc tgcttcgacc tcaggtgttg gagcggtcac gaggtcttcg 240

tgctgaagag ctacaacgac tttacaacag aattcttgat aaggcgaaag atgaatgaga 300

acgttgagat nggtaaggaa gcgacgatgc tcaatgaaca acatcttctg taggatgaac 360

atgggaaagg agtttctcaa aagganaatg gtgaagcana nanaatcaaa ngctttggtg 420

gctgaatcat aagccttggn gaagaagatt t 451

<210> 3080
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F7

<400> 3080

ccacgcggct acggtaccgg tattaattcc cggggcngct tcactctcca aatgcaaaga 60

gaggtctctg cgatttctgc aactcacccc tgaaaccttc ttaatttact tcaactgccg 120

ctatacctaa aaacttcatc tttctcctct gagctatgat aaggattgna gatttcactc 180

tcttcttctt tatcttcgtc ttctctccct cgttgcctct agctcaatct cagcttcccg 240

atctcgaccc acaagacaaa gcttctttat tgatattcag agtttcgatt cacganctaa 300

atcgaagctt atcgacatgg tacggctcat cgtgttctaa ctggacaggt ctaacttgtc 360

agaatcccga ccgggaaaag ttctctcctc aatttaatcc ggtcngaatc tctccagtca 420

agattcaacc aacnccttg 439

<210> 3081
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F8

<400> 3081

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaaacca atcaggcaga 120

ggaggaaggt cgtttgatgg tggtcgatca nctangcngg aaaacagaca atcaacaaaa 180

cacttggaag agcgaccana gtggtggatc anactggaaa aaaggttggg gacaggattc 240

aaacaatagc aaaccatccg gttcgtctgc tggtggttgt gctggaaact ggcctacctg 300

ggatactaac tcaaagaaag aaaccaatga caaaccggga gacgatanca aatcagcttg 360

gggaaccagt aacgatnagg tgaataccga taacaacaat gacagttggn acaaaaagcc 420

aaacaatgat gtttggacan gtgg 444

<210> 3082
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-F9

<400> 3082

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taactaaagc attcatagtc tctcgaaagc ctcttttcag aaccgaagct ctttactttc 120

gtccaccggg aaatatgcca gtcgacgtag cctcaccggc cggaaaaacc gtctgcgtca 180

ccggagctgg tggatacatc gcttcttgga ttgttaagat acttctcgag agaggttaca 240

cagtcaaagg aaccgtacgg aatccagatg atccgaagaa cacacatttg agagaactag 300

aaggaggaaa ggagagactg attctgtgca aagcagatct tcaggactac gaggctctta 360

aggcggcgat tgatggttgc gacggcgtct ttcacacggn ttctcctgtc accgacgatt 420

cggaacaaaa tggtggaacc gggcgtgaat ggancaantt gtaataaagc tgccgctgag 480

gcaagtca 488

<210> 3083
<211> 552
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G1

<400> 3083

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ganatccttt ttatttctcc ctttactttt tttataatcg caaaaacaaa tttcaatagt 120

tcttgtaagc gcaacgtgta agtagagaca tacacacatt tgtagtgttt tgtnntgtat 180

aataacatca tcgcatatag agaaaagaag ttaagacgac cgtatatatc gttttgaaaa 240

ccgggtcgga taaaaaaaaa ccggtttctt taaccgagtc ggcgcgcatg gagctatgca 300

atcaaaacaa tcacatcacc gccgtctcgg gcgattccgt tgaactggga acccgacggg 360

ccgaaacctt tgaaaanggg acccacctgg gaatgaangg tgaaaccgaa tgggtgaaaa 420

gaatntaagg aaanaagggc ggttgaaatt ttaaggaagg tgaaaacctt ngaccaaatg 480

gggcaaagtt acccnccgtt gggctaaaaa ggaaggaagg aaggatttta acngggtgga 540

acctaaaccg ga 552

<210> 3084
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G10

<400> 3084

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gangnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnntctcatc gatcactctc tccaagatct antcacgcat cgtcgggaag aattttcgct 180

tccgacgacg tttctctcgt ctgattttgt ctccgaacat cctacctaat cgtattcggt 240

gctggatttg aatccggtga actgaatctg acaatttcgt tcccggaggt gtttaaaaat 300

ggccgggatc ttgaataaat tgcggaatct agatgcatat cctaagatca atgaagattt 360

ttacagccgt acattatccg gcggagttat cactctcctc tcctccgttg ttaagttccn 420

tctcttcttc tcccgagctc cgtcttancc tcatacagtc accgagacga agcttatagt 480

a 481

<210> 3085
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G11

<400> 3085

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agttgaaact ttgcttaagg cttctgctta cattttagga gccactggtt cgagtataat 120

gtacaagact gttcttgagg acggtacggt tctcgcggtt cgtcggttag gtgagaatgg 180

tttgagtcaa caacgccggt ttaaagactt tgaggcacat attcgagcta ttggtaaatt 240

ggttcacccg aatttggtac gtcttcgtgg attctattgg ggcaccgacg agaaattggt 300

catttacgat tttgttccta acggcagtct cgtcaacgcc cgttacagga aaggagggtc 360

ttcgccgtgc catttaccgt gggagactcg gctcaagata gtaaaanggt tggctcgtgg 420

gcttgcctaa ctccacgaca aagaaacatt tgcacggtaa cttnaaacct aataacataa 480

cccttggg 488

<210> 3086
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G2

<400> 3086

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gaacacgcgt ccggccaatt ttagaaaact tctgacggaa aataaaaaga gaggatttat 120

ttttatcttt ctgtgttacc ggagaataaa gacggtacct tttcactgtt gangtaangg 180

ngaagatggc gactgttccg gagataaaga taatganaag cgagagctta ggtcatcgga 240

gtgacgtgtc gagcccggaa gctaagctag ggatgcgtgt ggaanatcct gggatganca 300

gaaaccacag ctcagtccta acgataagct caacgcttgc tttgaaaagc atccctgtcc 360

cctgctttcc ctctctcctc ctgttcacaa gataatgaga taagatttag acacaagttt 420

ggctgaanct gttcanacac tntcgaaatt caaggncctg aangcgcctg ttgtagatgt 480

tgatgcgcct gaanatgcca atttggattg 510

<210> 3087
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G5

<400> 3087

gancacgcgt ccgaaaaatc cggtttactt atggactcta ccgatatttc acgctaacgg 60

ctggagctat ccatggggaa tcgccgccgt cggaggaact aacgtctgtt tgcgtaaatt 120

cgacgcgccg ttaatctacc gtttgatccg tgatcacggc gtcacacaca tgtgtggagc 180

tccggtagtg ctcaacatgt tgtcggcgac taacgaattt cagccgttaa atcgtcctgt 240

caacatctta accgccggtg ctccgcctcc agcaaccgta ctcctccgag caagaatcaa 300

ttggattccg tgataaagtc acggatacgg gttaacggga aaccgccggg attaaaacgt 360

gtcaatgcgc cttggaaacc acaattggaa tcgtttaacg ggcgaagcga tngaaccaag 420

gtnaaaacac ggnaaaggag tganaaacgt cggatttac 459

<210> 3088
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-G7

<400> 3088

gatttcttct gctttcatgg atgcttcaaa tcccaattct tctagaaaat ctaatgtctc 60

ttccttcgct cagtccagtc gaagcggtgg tagaggagga ggatatgaga gagataacga 120

tcgacggaga cctcagggtc gtggcgacgg tggaggcgga aaggatagaa tcgatgcact 180

tggacgactc ttgacgagaa tattgcgaca tatggctact gagctgagat tgaacatgag 240

aggtgatggt tttgttaaag ttgaagattt acttaacctg aatttgaaac ttctgcaaat 300

attcagttaa agtcacacac gaatgatgaa attaaagang ntgttanaaa ggacaataag 360

caacggttta ntcccatcga tgaaaatgga gaactcctga ttcccgccaa acaaaggcaa 420

tcgattacga nggttgagtc aaaagaa 447

<210> 3089
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-012-Q1-E1-E9

<400> 3089

ccggacntac cggtccacga atcccggggt cnacccacgc gtccgnaant ctctgtcttc 60

gtctccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnngaa ataaaaaatg gctcacanta ggactttcac ttccagaaac 180

cgtagcgttt ctctctcaaa cccatctttc tccattgacg gatttgacaa ctcaactgtg 240

actttaggct acacgggtcc tcttcgaacc cagagaataa gacctccttt agtgcaaatg 300

agtggtccta ttcactctac tcgcagaaca gaacctctct tctctccttc tcctcaagaa 360

tctcctgatt cctctctaac gttgatgttc aacctgaaga tgattcgtcc tcaaaaacgc 420

aatccccttg agatcgggaa attagggagt gaatgttcta acnga 465

<210> 3090
<211> 591
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-E7

<400> 3090

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cggcgcgctc tatatcgcgt taactcatna gggccctctc nccttcnacg ttacttcttg 120

cccgattccg tcggatgnga ttccatcgac cattctacga agacttccat agagagaggc 180

catacgccta ttataatant agatgggaaa ccgcaagaga taccaaggag aagtctcttc 240

ccgncgtcgc cgatcatgag tangagacgg aaattctana gattagtcnc cntactgaga 300

agaatcacga accatttgac gggtaagcta ctatgaccgg cgtcgacaga cctanacgtt 360

tanaactccg ccntatttct gaccgcggga acggaagtcg tcggaactta tgagatattc 420

acnatctaac tacgaacgcg acgcggacac taaggaagga ctcgcttggn aataccgggt 480

tctaacggcg gnattttcac cgcctctaag gaccgtcgan tgcccgagtt aaagaaaact 540

ataatntccg nttaagttan tacggaaaaa ccaaaggttg ccgtntttat t 591

<210> 3091
<211> 665
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-E9

<400> 3091

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tnnctgaaaa ttagggttta gggtttttga ttttcgttct ctattagttt ctccccctca 120

ctctcatggc gatgaatttt caatttatgt gagattttat tccacaatcg gaataatttt 180

cctggcaatg gcgacgacca atgctccacc tgagctagct tcaggaaacc cttgctgcct 240

cgcttggcaa gggaagtaca taggaatgaa gaagaggcga gatgctttta aagaaggagt 300

aactcttctc cagaaggcta tagaaaatgt taatgctgaa aaatccaatc tcgagagaaa 360

atttggggag atggcgactg acggagatac taaggaaaat ggttcaactg tgaaagcatc 420

tttggagaaa gaaatatctc gtttgaagtt tgagatagtg tctttgcaac aaaaactgga 480

gcggaacctt aaagaaaaaa gtgaagaaac aaagcttctt caggatcaag cttctggtcg 540

agaaaaggag atcaatgaac tgagggatct ccttaagaaa gaaacattaa gggcagatag 600

ttctgaagaa gaaanggaca tgctttaagg actgacaagg caaagctctg atagtaaaag 660

atgag 665

<210> 3092
<211> 706
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-F10

<400> 3092

accggtccat attcccgggn cttcccacgc gtccgcnaac gcgtccgttg atccgtcgtc 60

ttctctcagc tctccatctc cgtcttccaa gttttactgt caggtagaag aatccatgtc 120

gatttacgtc gcgtcgcgac ggctctccgg cggaacaact gtgacggcgc tgcgttatgc 180

cacctctctg agatcttatt cgacctcgtt tagggaggag agggacacct tcgggccgat 240

tcaagttcct tccgataaat tgtggggagc ccagacgcag agatcgctgc agaacttcga 300

aatcggtggt gagcgcgagc gaatgcctga accaattgtc cgcgcttttg gcgtcttgaa 360

gaaatgcgct gccaaggtta acatggaata cggtcttgat ccgacgattg ggaaagcaat 420

tatgcaagct gctcaggaag tagctgaggg aaagctcaat gatcatttcc cccttgttgt 480

ctggcaaact ggtagtggga ctcagagtaa tatgaatgct aatgaggtca ttgctaatag 540

agcagctgag attcttggtc gcaaacgtgg tgagaaatgt gtgcacccaa atgaccatgt 600

gaaccagatc acaatcttct aacgacactt tttcctaccg tcatgcacat tgcannntgc 660

naccgagatt aatcgaggct taatccctag tttaaaaact ttgctt 706

<210> 3093
<211> 687
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-F3

<400> 3093

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ccanaatagt aggtttgntg angccaatga gggtgttaaa nnaaaggggg gaacangaat 120

cgcaccagac atattttgct acaattccct tataattggc ctttcaaaag ctaaaagaaa 180

tggacgaagc aaggtctttt ctggttgaaa tggtcgagaa cggattaaag cctaatgctt 240

tcacctatgg ggcttttatc agtggatata tagaggcaag tggaatttgc atctgcagat 300

aagtatgtgg aaagagatgc gggaatgtgg cgtacttcca aataangttc tttgcacggg 360

tttgatcaat gagtattgca aaaaggggaa agtaatagag gcgtgttcag catatagatc 420

catggttgga ccaanggatc ctgggggatg ctaaaacata cactgttctt atgaatggtc 480

tttttaaaaa tgataaagta gatgatgccc gaggagattt tccgcgaaat gcgtggggaa 540

ggtattgcac ctgatgtatt ctcttatggg gtctcattaa tgggatttct aagtggggaa 600

atatgccaaa agcttctaat atttttgatg aaanggttga aaaaaggttg actncctaag 660

gttatcatat tccaaaatgt taccttg 687

<210> 3094
<211> 695
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-F5

<400> 3094

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actgattact cagcagtcgg cctttcttga agccctttct aggacagtcg gagtctggat 180

gtgagcctca ctgggcaaag ttaacgacca gaggtaccgg gggtgtaatg tttctgattc 240

acctctaaat cccaaacagg caggatgcgc tggtcgtccc gccgagttgc tatatggaac 300

tgagagtctt aagcgggtta cccccggcaa gtagaatcgg tgacgtggga cgaattggaa 360

gttgggccat ggcgtttaat cgtgtgtcaa ttcagaattt ataaagggcg ccggctgacc 420

aagatagtag gatggcggct acggaagctg aaacttgtca aggagcgcgc aataatctat 480

tcgttgaact aatcattttg aaaacggacg gtgtcccaag tgtgtgattc acatttggtt 540

gctggggtaa gaatttaggt tccgacgagc anggaaggtt gtggtggctg tccgtaaaaa 600

ttcaaggtgt tgagttttgg gttggaattg ggttgctggc gttaaactcc cggcgggcag 660

cagttaaacn ccttaaacga gaattcccgn aaggt 695

<210> 3095
<211> 679
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-F7

<400> 3095

atctcctgtt ngccgcttgg ttggaacctt tgggctgntt atgtgcttga gactcctccg 60

gttacgggat ccccggctag gccgtcaaac gtcgggcctt cgagataaat agtcccgccg 120

tcgcaaaagc aacaaaaaat tagtccgtac atcactagta ggtaccggcc gaagcactca 180

ccccgataat gtcaaataag aagcacgact tcgaggacaa gaattacact gcctgtacac 240

atgatcatcc tccatactaa agctacccgc gtacacgtcc cgaatcctca gatacgaact 300

cgcacgagtc tacaaagaca aactaaccta gaggttcact accaagtaca gctaagtctc 360

ctctcaagta gactccatcc ggcccggtct ccccgaaaga cgtcggtaca acttaccgcg 420

actcgaagtt agagaacacc tcctcgcgtg ttagcgcgaa gttaatcgaa accaagacaa 480

ccgatcccgg actagtgcgt acggaagaca aaatcggcca ctacacacct agagctgnca 540

tcatagactg gttggaagct ccatccnggc atttaacnta tccttagnca cccgatacgc 600

gggttccccg gtcggancgg cggttnaatt cggccntccg gaaccggtta tccncccntt 660

aggagggcta aaaacccgg 679

<210> 3096
<211> 626
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-F8

<400> 3096

ctccccgnga ctccttcacc ctcgatgtca accngaactt ngggtctcct aaaccgacnn 60

cnntatggac taaataaacc actcgagagc attgaccggc aagactcgag tcccatgtca 120

cgaacncncc nanacntgct cctatggang attcaccact tcttagaaat tgaacttgaa 180

cttgacctat tgnaaatata gtnaagagta cgaatactta gagtaagaat acttanagta 240

actcgaactc natgatcatn gcggacggag tcctggcggc tcgacgaaaa tctcagttat 300

tagacttgaa cttgcgaccg aaattcattg atgagactct gaagaacccg gtataggccc 360

gaagaaagag actgaggcgg tctacggact gtccggcatg gcgggatacg tgaccgacga 420

gtccgggaat atggcgtcaa aaggcatggt cgagaccacc gtctaaggca aggaatgacc 480

ccagttgtcg gcaacgaact cgacctcctc gacaataaca ccagctanag ccccggctgc 540

tgngacagtc ctagcctgaa attacacagc tgccctgacg tctanaactn cgtcgctaag 600

gagactccaa tatccatcgc gaagag 626

<210> 3097
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-F9

<400> 3097

ggcaaacaac aaacttaacc ccgaggatgt gattggtgga accataactc tgagtaacat 60

tggagcaatt ggtggtaaat tcggatcccc tcttttaaac ttaccggaag ttgcaatcat 120

cgctcttgga agaatcgaga aagttccaaa attctcaaaa gaaggaactg tctatcctgc 180

atcgataatg atggttaaca ttgctgcgga tcatagagtt ctagatgggg caacggtagc 240

tcggttttgc tgccagtgga aagagtatgt cgagaaaccg gagctgctga tgcttcaaat 300

gagataagaa ggaaaggttc atgtttattt gtgaatcatt atgtatgaaa ccttcatgtt 360

cgaataagat caagaactga gctagcaaaa aannannana anaaaaa 407

<210> 3098
<211> 692
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-G1

<400> 3098

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cgtccgctga tgggaaatct gctcgtgcta ttggagttgg tggtcatacc gtcctccgga 180

ctgccaagcc atctccagag agaggtcata ttgccagagg aattgcaagg aatttaatcg 240

actttaagaa taattactct agagagtcct aaggagttaa ggaaagatct atctcctata 300

gcgtagactc ctctgatcat gaagtctctc gcgttataac tgatggccgt gacggtgccc 360

cttatatcgt tctcttgacg attgatgact ttgagataac gccggagttg gtggcgaatg 420

gagttaagcc tgcgaccgat gtagtggtca aagttaaggc taagtgtgcg gcccctatgc 480

tactaaccgg cgtagcccat acgaatttca attgcgatat ctaagttacc gccgatgaaa 540

atcgtcggaa cgactccgac cctcgtaaaa atatcaagaa ccggnaccgt cattggaaga 600

cgccggtgga ataactggta cgggaaatgg gtaaagtaaa angcgcggat ccagcggcgt 660

caaacttggc ccgggctccg gataatggcc ta 692

<210> 3099
<211> 652
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-E6

<400> 3099

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aaacctctgg ntcggaactc gcatatgccg cgcctgatga accgacctag agagtcctcc 120

cccgtaccgt cctctttaat agtattattg tcccgttctg gctcgccttg gcattggtgt 180

tggccgccct cctcgacgag accttcccta agctaaagga aaccactctg tgcgatgaca 240

tgcccgcgaa gaaagtcaaa ctcctgcccc acagcgacgg gccgccagtc ttcagcaagt 300

tttaggcctc ggacctaata tcctactagg tcaagaatgc cgtaggtaac gacggggaga 360

agccgagctc tacaaaatcc gtcagcccga ccgaggcact cgttaagaaa gtcatctaag 420

atcaaacccg tagtataggt cgacggacta gtctgaacgg tccttggacc tctcaggtaa 480

gccactgagc tccgctaggt cagactcgct cgagaaccgc actacggcat cattggtaat 540

tacaggaggg tccaccctcc cgatgaggtc cgacccgtac ctgaacagaa ccggctaatc 600

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<210> 3100
<211> 679
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-D11

<400> 3100

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tnggtctggt tttatgatag ctttctctta agaagaagaa gaagaaagat aaattaaaag 120

ggtggttctg agttttaagg attattgttt gannnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnntt atctgattgc tctaatgaat atgagaagct cgttgttcgg 240

atgaacatgc ccagggtcgt aattgacaat ggagtttgcc ctaattcaac tgtcgtcaag 300

attgatagtg caagaagccc aggaatattg cttgaatctg tacaacttct cactgatatg 360

aatctctgga tcaaaaaagc ttacatttcc tctgatggaa aatggaatat ggatgttttt 420

catgtgagcg atcttaacgg agacaaatta accgacgaga acctaatccg ttacattgaa 480

aagtctattg aaaccgtctc attactgtaa aacggaaggg tatacgggtt taacccgctc 540

tagagttaac ccggaaccag accagagtcc ggtttactct caaaaggttt tccccggntc 600

tagctgatcc ttgnatggtg atggtggttg aagcttaagg catggacccc ntaacgggca 660

gggattgcct ccnatgaat 679

<210> 3101
<211> 643
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-D3

<400> 3101

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aagttatgag tgggaatctt ctcatgtgca tctcttcaaa ctgcatagag ggatcacttc 120

agctattgtc caggacattt gctttagtca gcagagtcag tgggttgcta ttatttcatc 180

caagggtact tgccatatat ttgttttaaa ctcttctggt agcgacgctg cgtttcaacc 240

ttgcgagggt gaggagccta cccgactacc agcttcatcc ttgccatggt ggtttactca 300

atcgttgtca agtaatcagc agtctttatc gccaccaaca agctgttgcc ctttctgttg 360

taagcagaat aaagtatagc agttttgggt ggcttaacac agtaagcaat gctactactg 420

ctgctactgg aaaagttttt gtaccatcan gtgcccgtgg ctgctgtttt tcataaatct 480

gtcactcatg acccttttaac tgaactnccg gactaacgcn ttggagcata tcttagtcta 540

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tnaccctgga aaatgggttt ngaaaagtgc aaaaaaacat tcc 643

<210> 3102
<211> 662
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB22-011-Q1-K1-D5

<400> 3102

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gctgctccca gcactcgcac tgctaaggan gccgncgaag ctccctacng acgccggtct 120

agatctgtat cctttcactt agaactcttt ccacggcgct cctaaattgg aactgaatct 180

aatcttctgc ttcgttgctg tcactggtga cccggcctcg gattctcttg tcactctcga 240

agtcgggtcc cctgacggct cgacttccaa ggatgtagac cgtccctcct agttcaaccc 300

gaacaagcct ccggttacgg gatggttcgt gcggaaggaa gtgtgcctca tgtcgtaaag 360

aactccgcta ctcaacgaat tcactccgtg agataacgac gccccgagga gaaaactacc 420

ttactagacg agcaaagcgg aaacgaccgc cttcacggcg accggggatc acatagatcc 480

tcccgtactc acgtactatg tgaagaatcg tggatccacg ccttgcgggt tcganaacgt 540

gacaatttaa accggccctt gtcctttacg tacactacgg atnggtacta ctcacggtac 600

tctccgggat cgataccacc tganttaana ggtagggtta cntatangga aatccccgat 660

ta 662

<210> 3103
<211> 684
<212> DNA
<213> Arabidopsis thaliana